

ATS-09-156

CARLSBAD FIELD OFFICE

Form 3160-3
(April 2004)

NOS-12-10-08

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. NMNM-120349		6. If Indian, Allottee or Tribe Name	
7. If Unit or CA Agreement, Name and No.		8. Lease Name and Well No. Frosty Federal Com #1	
9. API Well No.		10. Field and Pool, or Exploratory Empire; Wolfcamp, Northwest	
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 26 T16S R27E		12. County or Parish Eddy	
13. State NM		14. Distance in miles and direction from nearest town or post office* 12 miles north/northwest of Loco Hills, NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 330		16. No. of acres in lease 800	
17. Spacing Unit dedicated to this well 40		18. Distance from proposed* location to nearest well, drilling completed, applied for, on this lease, ft. 1320	
19. Proposed Depth 6,330' TVD <i>east - per directional plan</i> 10,639' MD		20. BLM/BIA Bond No. on file NMB000286	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3,503' GR		22. Approximate date work will start* 2/07/09	
23. Estimated duration 10 days		24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Jerry W. Sherrell</i>	Name (Printed/Typed) Jerry W. Sherrell	Date 1/7/09
Title Production Clerk		
Approved by (Signature) <i>J. Sherrell</i>	Name (Printed/Typed)	Date 3/12/2009
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrantor certify that the applicant holds legal equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

Witness Surface Casing

Roswell Controlled Water Basin

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

SUBJECT TO LIKE
APPROVAL BY STATE *possible commingle
behind pipe*

CARLSBAD FIELD OFFICE

Form 3160-3
(April 2004)

NOS-12-10-08

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

5. Lease Serial No.
NMNM-120349

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
Frosty Federal Com #1

9. API Well No.

Ia. Type of work: DRILL REENTER
Ib. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
Mack Energy Corporation

3a. Address
P.O. Box 960 Artesia, NM 88211-0960

3b. Phone No. (include area code)
(575)748-1288

10. Field and Pool, or Exploratory
Empire; Wolfcamp, Northwest

4. Location of Well (Report location clearly and in accordance with any State requirements*)

At surface 2285 FNL & 330 FEL
At proposed prod. zone 2285 FNL & 330 FWL

11. Sec., T. R. M. or Blk. and Survey or Area

12. County or Parish
Eddy
13. State
NM

14. Distance in miles and direction from nearest town or post office*
12 miles north/northwest of Loco Hills, NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 330

16. No. of acres in lease
800

17. Spacing Unit dedicated to this well
40

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1320

19. Proposed Depth
6,330' TVD
10,639' MD

20. BLM/BIA Bond No. on file
NMB000286

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3,503' GR

22. Approximate date work will start*
2/07/09

23. Estimated duration
10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature *Jerry W. Sherrell* Name (Printed/Typed) Jerry W. Sherrell Date 1/7/09

Title Production Clerk

Approved by (Signature) Name (Printed/Typed) Date

Title Office

Application approval does not warrantor certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number	Pool Code	Pool Name
	97286	Empire; Wolfcamp, Northwest
Property Code	Property Name	Well Number
	FROSTY FEDERAL COM	1
OGRID No.	Operator Name	Elevation
013837	MACK ENERGY CORPORATION	3503'

Surface Location

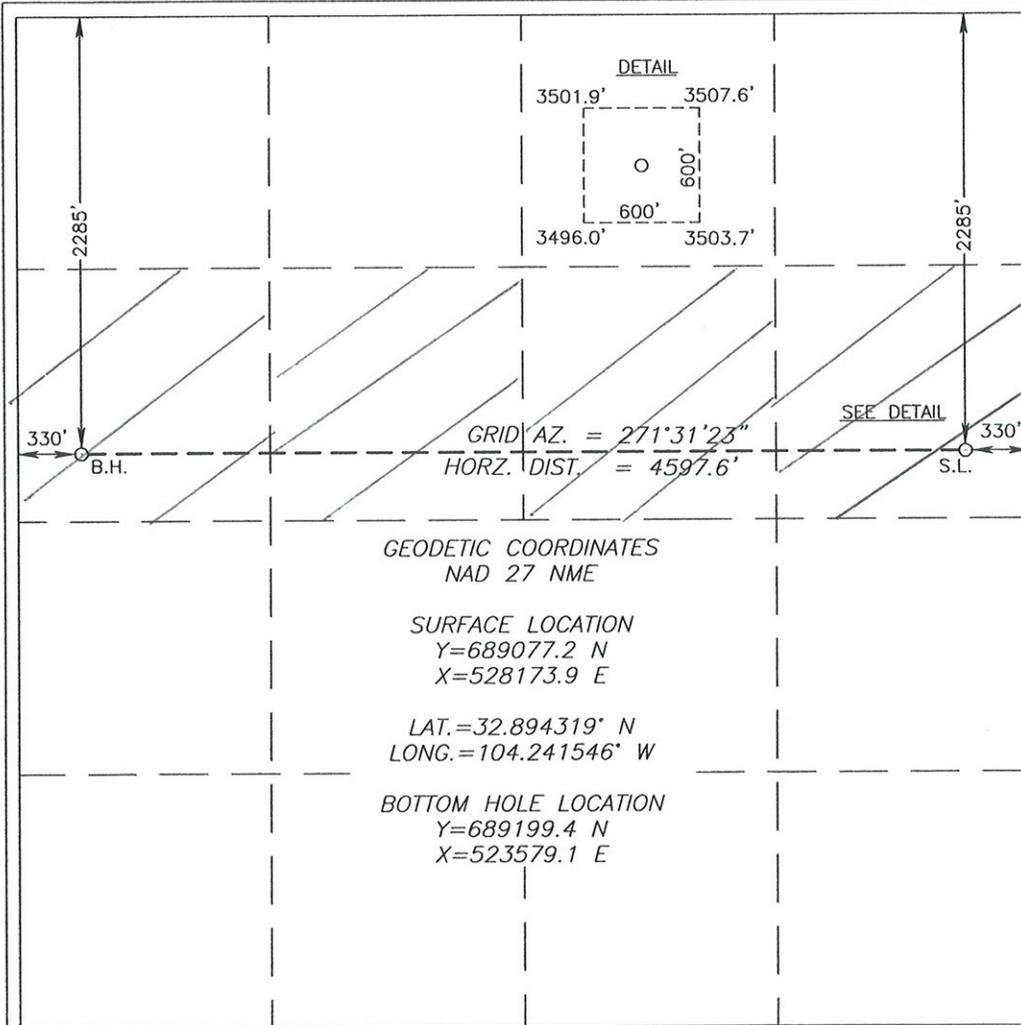
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	26	16-S	27-E		2285	NORTH	330	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	26	16-S	27-E		2285	NORTH	330	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Jerry W. Sherrell 1/7/09
Signature Date

Jerry W. Sherrell
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

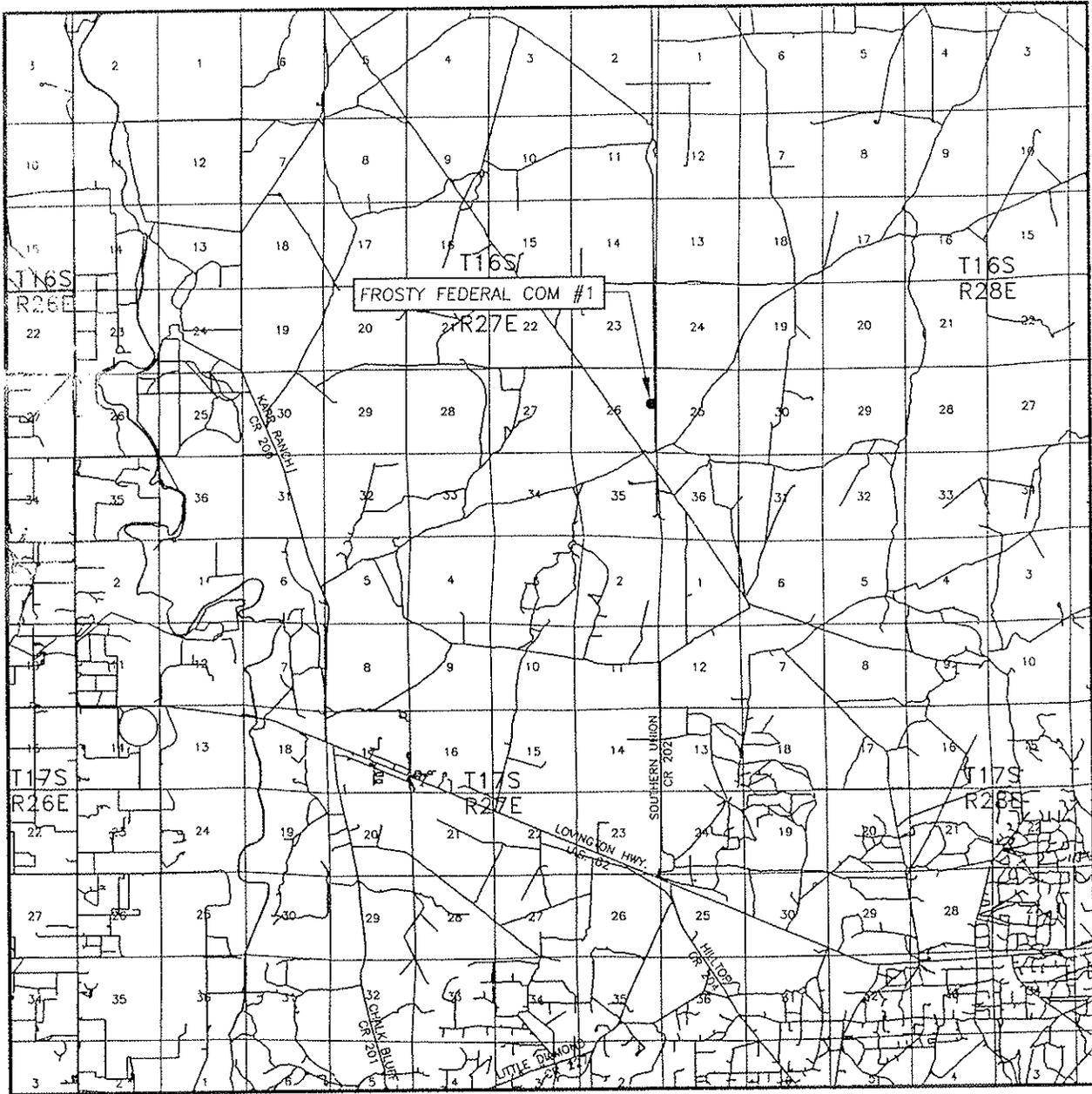
NOVEMBER 20, 2008
Date Surveyed JC

Signature & Seal of
Professional Surveyor

Gary G. Eidson 12/02/08
08.11.1973

Certificate No. GARY EIDSON 12641
RONALD J. EIDSON 3239

VICINITY MAP



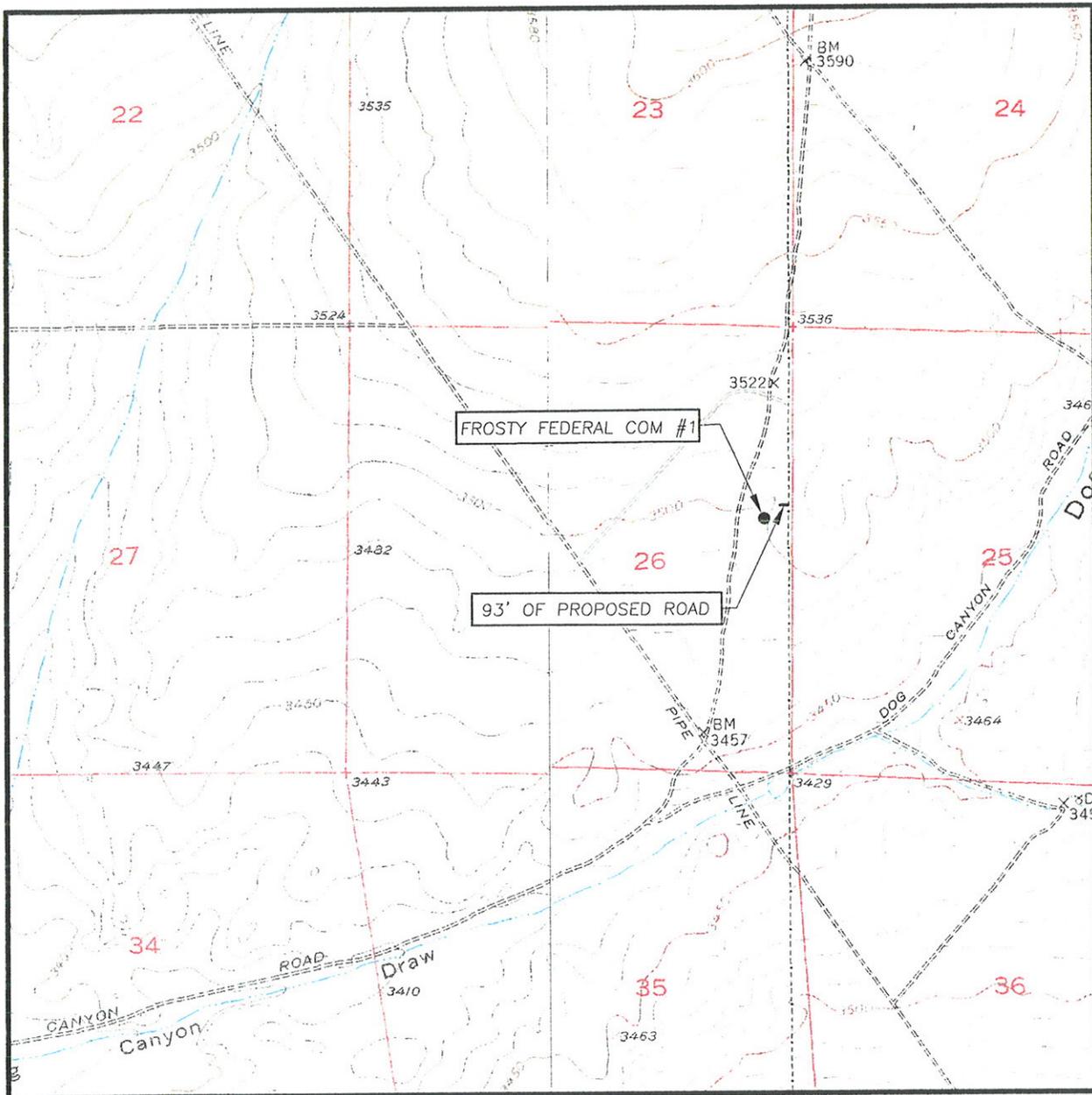
SCALE: 1" = 2 MILES

SEC. 26 TWP. 16-S RGE. 27-E
 SURVEY _____ N.M.P.M.
 COUNTY EDDY STATE NEW MEXICO
 DESCRIPTION 2285' FNL & 330' FEL
 ELEVATION _____ 3503'
 OPERATOR MARBOB ENERGY CORPORATION
 LEASE FROSTY FEDERAL COM



PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
DIAMOND MOUND, N.M. - 10'
ARTESIA NE, N.M. - 10'

SEC. 26 TWP. 16-S RGE. 27-E

SURVEY _____ N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 2285' FNL & 330' FEL

ELEVATION 3503'

OPERATOR MACK ENERGY CORPORATION

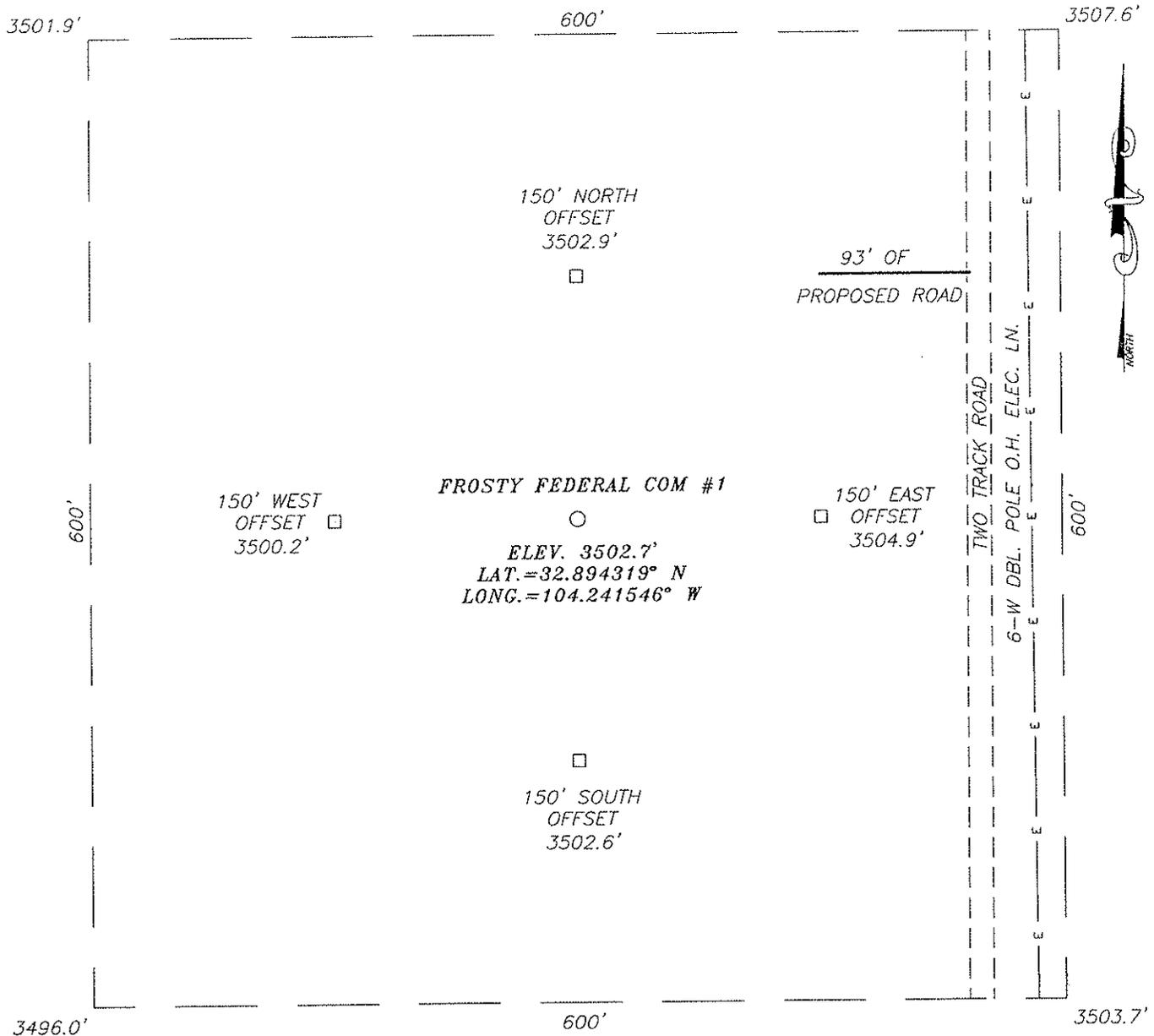
LEASE FROSTY FEDERAL COM

U.S.G.S. TOPOGRAPHIC MAP
DIAMOND MOUND, N.M.



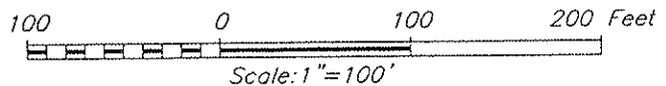
PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(575) 393-3117

SECTION 26, TOWNSHIP 16 SOUTH, RANGE 27 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF U.S. HWY. #82 AND CO. RD. #202 (SOUTHERN UNION), GO NORTH ON CO. RD. #202 APPROX. 2.6 MILES; TURN RIGHT AND GO NORTHEAST APPROX. 1.2 MILES; VEER LEFT AND GO NORTHWEST APPROX. 2.7 MILES; TURN RIGHT AND GO NORTHEAST APPROX. 0.5 MILES; VEER RIGHT AND GO EAST APPROX. 0.1 MILE; TURN RIGHT AND GO SOUTH APPROX. 0.3 MILES TO A PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY WEST APPROX. 285 FEET TO THIS LOCATION.



MACK ENERGY CORPORATION

FROSTY FEDERAL COM #1 WELL
 LOCATED 2285 FEET FROM THE NORTH LINE
 AND 330 FEET FROM THE EAST LINE OF SECTION 26,
 TOWNSHIP 16 SOUTH, RANGE 27 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

PROVIDING SURVEYING SERVICES
 SINCE 1946
JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO
 HOBBS, N.M. 88240
 (575) 393-3117

Survey Date: 11/20/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.1973	Dr By: JC
Date: 11/25/08	08111973
	Scale: 1"=100'

DRILLING PROGRAM

1. Geologic Name of Surface Formation

Quaternary

2. Estimated Tops of Important Geologic Markers:

Quaternary	Surface
San Andres	1650'
Glorieta	3080'
Tubb	4400'
Abo	5000'
Wolfcamp	6200'

3. Estimated Depths of Anticipated Fresh Water, Oil and Gas:

Water Sand	150'	Fresh Water
San Andres	1650'	Oil/Gas
Abo	5000'	Oil/Gas
Wolfcamp	6200'	Oil/Gas

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Setting 13 3/8" casing to 380' and circulating cement back to surface will protect the surface fresh water sand. Salt Section will be protected by setting 8 5/8" casing to 1800' and circulating cement back to surface. Any shallower zones above TD, which contain commercial quantities of oil and/or gas, will have cement circulated across them by cementing 5 1/2" production casing, sufficient cement will be pumped to circulate back to surface.

4. Casing Program:

Hole Size	Interval	OD Casing	Wt, Grade, Jt, cond, collapse/burst/tension
17 1/2"	0-380'	13 3/8"	48#, H-40, ST&C, New, 3.984/3.380/3.46
12 1/4"	0-1800'	8 5/8"	24#, J-55, ST&C, New, 1.4449/10.150/9.833
7 7/8"	0-7300'	5 1/2"	17#, P-110, LT&C, New, 2.096/3.459/3.547
6 1/8"	7300-10,639'	4 1/2"	11.6#, HCP-110, Buttress, New, 1.545/3.427/3.56

5. Cement Program:

- 13 3/8" Surface Casing: Class C, 300sx, yield 1.32.
- 8 5/8 Intermediate Casing: Class C, 850sx, yield 1.32.
- 5 1/2" Production Casing: Class C, 2500sx, yield 1.32.

6. Minimum Specifications for Pressure Control:

The blowout preventer equipment (BOP) shown in Exhibit #9 will consist of a double ram-type (3000 psi WP) minimum preventer. This unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top of 4 1/2" drill pipe rams on bottom. The BOP will be nipped up on the 13 3/8" surface casing and tested to 1000 psi using the rig pump. The BOP will then be nipped up on the 8 5/8" intermediate casing and tested by a 3rd party to 2000 psi and used continuously until TD is reached. All BOP's and accessory equipment will be tested to 2000 psi before drilling out of intermediate casing. Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment (Exhibit #10) will include a Kelly cock and floor safety valve and choke lines and choke manifold (Exhibit #11) with a minimum 3000 psi WP rating.

7. Types and Characteristics of the Proposed Mud System:

The well will be drilled to TD with a combination of brine, cut brine and polymer mud system. The applicable depths and properties of this system are as follows:

DEPTH	TYPE	WEIGHT	VISCOSITY	WATERLOSS
0-380'	Fresh Water	8.5	28	N.C.
380-1800'	Brine	10	30	N.C.
1800'-TD	Cut Brine	9.1	29	N.C.

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the well site at all times.

8. Auxiliary Well Control and Monitoring Equipment:

- A. Kelly cock will be kept in the drill string at all times.
- B. A full opening drill pipe-stabbing valve with proper drill pipe connections will be on the rig floor at all times.

9. Logging, Testing and Coring Program:

Attached to Form 3160-3
Mack Energy Corporation
Frosty Federal Com #1
SHL 2285 FNL & 330 FEL Unit H, Sec. 26 T16S R27E
BHL 2285 FNL & 330 FWL Unit E, Sec. 26 T16S R27E
Eddy County, NM

- A. The electric logging program will consist of GR-Dual Laterolog, Spectral Density, Dual Spaced Neutron, CSNG Log and will be ran from T.D. to 9 5/8 casing shoe.
- B. Drill Stem test is not anticipated.
- C. No conventional coring is anticipated.
- D. Further testing procedures will be determined after the 5 1/2" production casing has been cemented at TD based on drill shows and log evaluation.

10. Abnormal Conditions, Pressures, Temperatures and Potential Hazards:

No abnormal pressures or temperatures are anticipated. The estimated bottom hole at TD is 120 degrees and estimated maximum bottom hole pressure is 3250 psig. Low levels of Hydrogen sulfide have been monitors in producing wells in the area, so H2S may be present while drilling of the well; a plan is attached to the Drilling program. No major loss of circulation zones has been reported in offsetting wells.

11. Anticipated Starting Date and Duration of Operations:

Road and location work will not begin until approval has been received from the BLM. The anticipated spud date is February 7, 2009. Once commenced, the drilling operation should be finished in approximately 35 days. If the well is productive, an additional 30 days will be required for completion and testing before a decision is made to install permanent facilities.

Mack Energy

Eddy County

Frosty Fed Com #1

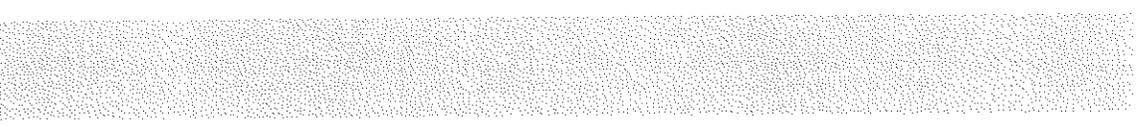
Frosty #1

OH

Plan: Plan #1

Pathfinder X & Y Survey Report

07 January, 2009





Project: Eddy County
 Site: Frosty Fed Com #1
 Well: Frosty #1
 Wellbore: OH
 Plan: Plan #1 (Frosty #1/OH)

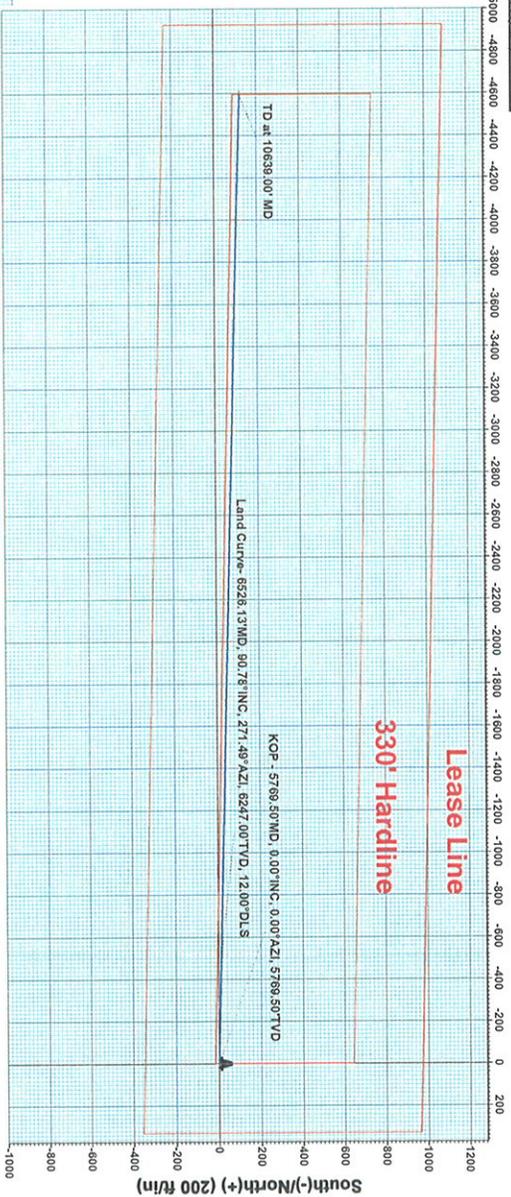


Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	5769.50	0.00	0.00	0.00	0.00	0.00	
2	5769.50	0.00	0.00	5769.50	0.00	0.00	0.00	0.00	0.00	
3	6526.13	90.78	271.49	6247.00	12.59	-483.88	12.00	271.49	484.05	
4	6567.94	90.78	271.49	6246.43	13.67	-525.68	0.01	-174.32	525.85	Target 1 (Frosty #1)
5	7042.13	90.78	271.49	6240.00	26.00	-999.66	0.00	0.00	1000.00	Target 1 (Frosty #1)
6	7047.62	90.86	271.49	6239.92	26.14	-1005.15	1.50	0.90	1005.49	Target 2 (Frosty #1)
7	8053.74	91.03	271.49	6224.81	52.32	-1999.32	0.00	0.00	2000.00	Target 2 (Frosty #1)
8	8054.40	91.03	271.49	6207.00	76.04	-2998.98	1.50	0.00	2011.50	Target 3 (Frosty #3)
9	9042.40	90.86	271.49	6206.81	76.34	-3010.56	1.50	179.82	3011.58	Target 3 (Frosty #3)
10	9053.99	90.86	271.49	6192.00	104.07	-3998.65	0.00	0.00	4000.00	Target 4 (Frosty #1)
11	10042.52	90.77	271.75	6191.74	104.58	-4016.65	1.50	109.75	4018.01	Target 4 (Frosty #1)
12	10060.52	90.77	271.75	6184.00	122.20	-4594.80	0.00	0.00	4594.42	PBHL (Frosty #1)
13	10639.00	90.77	271.75	6184.00						

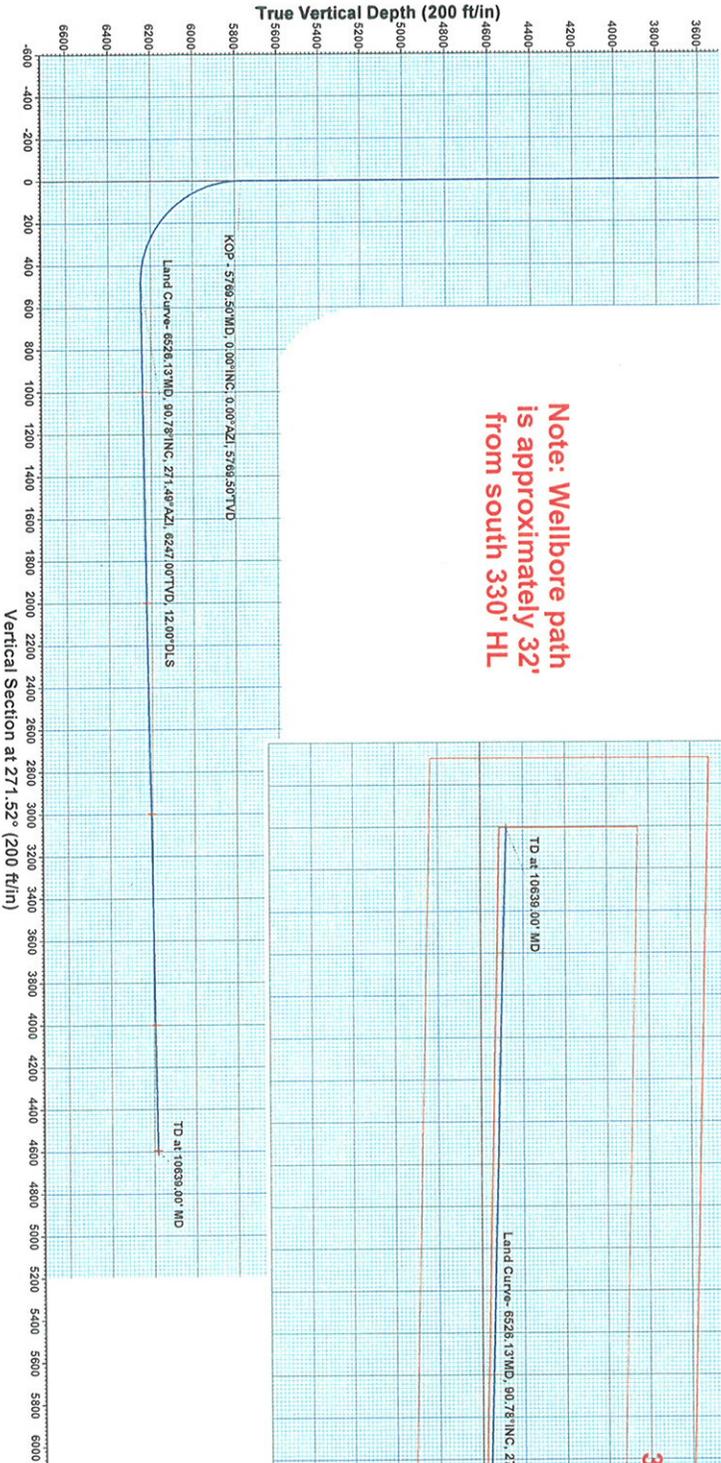
WELL DETAILS: Frosty #1

Ground Elevation:: 3503.00	Northing	Easting	Latitude	Longitude	Slot
RKB Elevation: WELL @ 3521.00ft (RKB=18')	689077.200	528173.900	32° 53' 39.550 N	104° 14' 29.566 W	
Rig Name: RKB=18'					
+N-S	+E-W				
0.00	0.00				

West(-)/East(+) (200 ft/in)



Note: Wellbore path is approximately 32' from south 330' HL



PROJECT DETAILS: Eddy County
 Geodetic System: US State Plane 1977 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level
 Local North: Grid

Plan: Plan #1 (Frosty #1/OH)
 Created By: Aaron Pullin Date: 1425, January 07 2009
 Checked: _____ Date: _____

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: Mack Energy
Project: Eddy County
Site: Frosty Fed Com #1
Well: Frosty #1
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference: Well Frosty #1
MD Reference: WELL @ 3521.00ft (RKB= 18)
North Reference: WELL @ 3521.00ft (RKB= 18)
Survey Calculation Method: Grid
Database: Minimum Curvature
 EDM 2003.16 Single User Db

Project: Eddy County
Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum:

Mean Sea Level

Site: Frosty Fed Com #1
Site Position: Map
From: Map
Position Uncertainty: 0.00 ft

Northing: 689,077.200 ft
Easting: 528,173.900 ft
Slot Radius: "

Latitude: 32° 53' 39.550 N
Longitude: 104° 14' 29.566 W
Grid Convergence: 0.05 °

Well: Frosty #1
Well Position: +N/-S 0.00 ft
 +E/-W 0.00 ft
Position Uncertainty: 0.00 ft

Northing: 689,077.200 ft
Easting: 528,173.900 ft
Wellhead Elevation: ft

Latitude: 32° 53' 39.550 N
Longitude: 104° 14' 29.566 W
Ground Level: 3,503.00ft

Wellbore: OH
Magnetics: Model Name Sample Date Declination (°) Dip Angle (°) Field Strength (nT)
 IGRF200510 1/17/2009 8.22 60.76 49,213

Design: Plan #1
Audit Notes:
Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section: Depth From (TVD) (ft) +N/-S (ft) +E/-W (ft) Direction (°)
 0.00 0.00 0.00 271.52

Survey Tool Program: Date 1/17/2009
From (ft): 0.00 **To (ft):** 10,639.00 **Survey (Wellbore):** Plan #1 (OH)

Tool Name: MWD
Description: MWD - Standard

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: Mack Energy
Project: Eddy County
Site: Frosty Fed Com #1
Well: Frosty #1
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference: Well Frosty #1
MD Reference: WELL @ 3521.00ft (RKB= 18)
North Reference: WELL @ 3521.00ft (RKB= 18)
Survey Calculation Method: Grid
Database: Minimum Curvature
 EDM 2003.16 Single User Db

Planned Survey	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
	0.00	0.00	0.00	0.00	-3.521.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	100.00	0.00	0.00	100.00	-3.421.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	200.00	0.00	0.00	200.00	-3.321.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	300.00	0.00	0.00	300.00	-3.221.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	400.00	0.00	0.00	400.00	-3.121.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	500.00	0.00	0.00	500.00	-3.021.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	600.00	0.00	0.00	600.00	-2.921.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	700.00	0.00	0.00	700.00	-2.821.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	800.00	0.00	0.00	800.00	-2.721.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	900.00	0.00	0.00	900.00	-2.621.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,000.00	0.00	0.00	1,000.00	-2.521.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,100.00	0.00	0.00	1,100.00	-2.421.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,200.00	0.00	0.00	1,200.00	-2.321.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,300.00	0.00	0.00	1,300.00	-2.221.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,400.00	0.00	0.00	1,400.00	-2.121.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,500.00	0.00	0.00	1,500.00	-2.021.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,600.00	0.00	0.00	1,600.00	-1.921.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,700.00	0.00	0.00	1,700.00	-1.821.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,800.00	0.00	0.00	1,800.00	-1.721.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	1,900.00	0.00	0.00	1,900.00	-1.621.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,000.00	0.00	0.00	2,000.00	-1.521.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,100.00	0.00	0.00	2,100.00	-1.421.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,200.00	0.00	0.00	2,200.00	-1.321.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,300.00	0.00	0.00	2,300.00	-1.221.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,400.00	0.00	0.00	2,400.00	-1.121.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,500.00	0.00	0.00	2,500.00	-1.021.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,600.00	0.00	0.00	2,600.00	-921.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: Mack Energy
Project: Eddy County
Site: Frosly Fed Com #1
Well: Frosly #1
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well Frosly #1
TVD Reference: WELL @ 3521.00ft (RKB= 18)
MD Reference: WELL @ 3521.00ft (RKB= 18)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Single User Db

Planned Survey	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
	2,700.00	0.00	0.00	2,700.00	-821.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,800.00	0.00	0.00	2,800.00	-721.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	2,900.00	0.00	0.00	2,900.00	-621.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,000.00	0.00	0.00	3,000.00	-521.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,100.00	0.00	0.00	3,100.00	-421.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,200.00	0.00	0.00	3,200.00	-321.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,300.00	0.00	0.00	3,300.00	-221.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,400.00	0.00	0.00	3,400.00	-121.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,500.00	0.00	0.00	3,500.00	-21.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,600.00	0.00	0.00	3,600.00	79.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,700.00	0.00	0.00	3,700.00	179.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,800.00	0.00	0.00	3,800.00	279.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	3,900.00	0.00	0.00	3,900.00	379.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,000.00	0.00	0.00	4,000.00	479.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,100.00	0.00	0.00	4,100.00	579.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,200.00	0.00	0.00	4,200.00	679.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,300.00	0.00	0.00	4,300.00	779.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,400.00	0.00	0.00	4,400.00	879.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,500.00	0.00	0.00	4,500.00	979.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,600.00	0.00	0.00	4,600.00	1,079.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,700.00	0.00	0.00	4,700.00	1,179.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,800.00	0.00	0.00	4,800.00	1,279.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	4,900.00	0.00	0.00	4,900.00	1,379.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	5,000.00	0.00	0.00	5,000.00	1,479.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	5,100.00	0.00	0.00	5,100.00	1,579.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	5,200.00	0.00	0.00	5,200.00	1,679.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	5,300.00	0.00	0.00	5,300.00	1,779.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90

Pathfinder Energy Services
Pathfinder X & Y Survey Report

Company: Mack Energy	Local Co-ordinate Reference: Well Frosty #1
Project: Eddy County	TVD Reference: WELL @ 3521.00ft (RKB= 18)
Site: Frosty Fed Com #1	MD Reference: WELL @ 3521.00ft (RKB= 18)
Well: Frosty #1	North Reference: Grid
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: Plan #1	Database: EDM 2003.16 Single User Db

Planned Survey	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
	5,400.00	0.00	0.00	5,400.00	1,879.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	5,500.00	0.00	0.00	5,500.00	1,979.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	5,600.00	0.00	0.00	5,600.00	2,079.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	5,700.00	0.00	0.00	5,700.00	2,179.00	0.00	0.00	0.00	0.00	689,077.20	528,173.90
	5,769.50	0.00	0.00	5,769.50	2,248.50	0.00	0.00	0.00	0.00	689,077.20	528,173.90
KOP - 5769.50MD, 0.00°INC, 0.00°AZI, 5769.50TVD											
	5,775.00	0.66	271.49	5,775.00	2,254.00	0.00	-0.03	0.03	12.00	689,077.20	528,173.87
	5,800.00	3.66	271.49	5,799.98	2,278.98	0.03	-0.97	0.97	12.00	689,077.23	528,172.93
	5,825.00	6.66	271.49	5,824.88	2,303.88	0.08	-3.22	3.22	12.00	689,077.28	528,170.68
	5,850.00	9.66	271.49	5,849.62	2,328.62	0.18	-6.77	6.77	12.00	689,077.38	528,167.13
	5,875.00	12.66	271.49	5,874.14	2,353.14	0.30	-11.60	11.61	12.00	689,077.50	528,162.30
	5,900.00	15.66	271.49	5,898.38	2,377.38	0.46	-17.71	17.72	12.00	689,077.66	528,156.19
	5,925.00	18.66	271.49	5,922.27	2,401.27	0.65	-25.09	25.09	12.00	689,077.85	528,148.81
	5,950.00	21.66	271.49	5,945.73	2,424.73	0.88	-33.70	33.71	12.00	689,078.08	528,140.20
	5,975.00	24.66	271.49	5,968.72	2,447.72	1.13	-43.52	43.54	12.00	689,078.33	528,130.38
	6,000.00	27.66	271.49	5,991.15	2,470.15	1.42	-54.54	54.56	12.00	689,078.62	528,119.36
	6,025.00	30.65	271.49	6,012.98	2,491.98	1.74	-66.71	66.73	12.00	689,078.94	528,107.19
	6,050.00	33.65	271.49	6,034.15	2,513.15	2.08	-80.01	80.04	12.00	689,079.28	528,093.89
	6,075.00	36.65	271.49	6,054.58	2,533.58	2.46	-94.40	94.43	12.00	689,079.66	528,079.50
	6,100.00	39.65	271.49	6,074.24	2,553.24	2.86	-109.84	109.87	12.00	689,080.06	528,064.06
	6,125.00	42.65	271.49	6,093.06	2,572.06	3.28	-126.28	126.32	12.00	689,080.48	528,047.62
	6,150.00	45.65	271.49	6,111.00	2,590.00	3.74	-143.69	143.74	12.00	689,080.94	528,030.21
	6,175.00	48.65	271.49	6,128.00	2,607.00	4.21	-162.01	162.06	12.00	689,081.41	528,011.89
	6,200.00	51.65	271.49	6,144.01	2,623.01	4.71	-181.19	181.25	12.00	689,081.91	527,992.71
	6,225.00	54.65	271.49	6,159.01	2,638.01	5.23	-201.19	201.26	12.00	689,082.43	527,972.71
	6,250.00	57.65	271.49	6,172.93	2,651.93	5.77	-221.94	222.02	12.00	689,082.97	527,951.96
	6,275.00	60.65	271.49	6,185.75	2,664.75	6.33	-243.40	243.48	12.00	689,083.53	527,930.50

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: Mack Energy
Project: Eddy County
Site: Frosty Fed Corn #1
Well: Frosty #1
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference: Well Frosty #1
MD Reference: WELL @ 3521.00ft (RKB= 18)
North Reference: WELL @ 3521.00ft (RKB= 18)
Survey Calculation Method: Grid
Database: Minimum Curvature
 EDM 2003 16 Single User Db

Planned Survey	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	Dleg (°/100ft)	Northing (ft)	Easting (ft)
	6,300.00	63.65	271.49	6,197.42	2,676.42	6.91	-265.49	265.58	12.00	689,084.11	527,908.41
	6,325.00	66.65	271.49	6,207.93	2,686.93	7.50	-288.17	288.26	12.00	689,084.70	527,886.73
	6,350.00	69.65	271.49	6,217.23	2,696.23	8.10	-311.36	311.46	12.00	689,085.30	527,862.54
	6,375.00	72.65	271.49	6,225.31	2,704.31	8.71	-335.01	335.12	12.00	689,085.91	527,838.89
	6,400.00	75.65	271.49	6,232.14	2,711.14	9.34	-359.05	359.17	12.00	689,086.54	527,814.85
	6,425.00	78.65	271.49	6,237.70	2,716.70	9.97	-383.41	383.54	12.00	689,087.17	527,790.49
	6,450.00	81.65	271.49	6,241.98	2,720.98	10.61	-408.03	408.17	12.00	689,087.81	527,765.87
	6,475.00	84.65	271.49	6,244.96	2,723.96	11.26	-432.84	432.98	12.00	689,088.46	527,741.06
	6,500.00	87.65	271.49	6,246.64	2,725.64	11.91	-457.77	457.92	12.00	689,089.11	527,716.13
	6,526.13	90.78	271.49	6,247.00	2,726.00	12.59	-483.88	484.05	12.00	689,089.79	527,690.02
Land Curve- 6526.13°MD, 90.78°INC, 271.49°AZI, 6247.00°TVD, 12.00°DLS											
	6,567.94	90.78	271.49	6,246.43	2,725.43	13.67	-525.68	525.85	0.01	689,090.87	527,648.22
	6,600.00	90.78	271.49	6,246.00	2,725.00	14.51	-557.72	557.91	0.00	689,091.71	527,616.18
	6,700.00	90.78	271.49	6,244.64	2,723.64	17.11	-657.68	657.90	0.00	689,094.31	527,516.22
	6,800.00	90.78	271.49	6,243.28	2,722.28	19.71	-757.64	757.89	0.00	689,096.91	527,416.26
	6,900.00	90.78	271.49	6,241.93	2,720.93	22.31	-857.59	857.88	0.00	689,099.51	527,316.31
	7,000.00	90.78	271.49	6,240.57	2,719.57	24.90	-957.55	957.88	0.00	689,102.10	527,216.35
	7,042.13	90.78	271.49	6,240.00	2,719.00	26.00	-999.66	1,000.00	0.00	689,103.20	527,174.24
Target 1(Frosty #1)											
	7,047.62	90.86	271.49	6,239.92	2,718.92	26.14	-1,005.15	1,005.49	1.50	689,103.34	527,168.75
	7,100.00	90.86	271.49	6,239.14	2,718.14	27.51	-1,057.51	1,057.87	0.00	689,104.71	527,116.39
	7,200.00	90.86	271.49	6,237.64	2,716.64	30.11	-1,157.46	1,157.85	0.00	689,107.31	527,016.44
	7,300.00	90.86	271.49	6,236.14	2,715.14	32.71	-1,257.42	1,257.84	0.00	689,109.91	526,916.48
	7,400.00	90.86	271.49	6,234.64	2,713.64	35.31	-1,357.37	1,357.83	0.00	689,112.51	526,816.53
	7,500.00	90.86	271.49	6,233.13	2,712.13	37.91	-1,457.33	1,457.82	0.00	689,115.11	526,716.57
	7,600.00	90.86	271.49	6,231.63	2,710.63	40.51	-1,557.28	1,557.81	0.00	689,117.71	526,616.62
	7,700.00	90.86	271.49	6,230.13	2,709.13	43.12	-1,657.24	1,657.80	0.00	689,120.32	526,516.66

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: Mack Energy
Project: Eddy County
Site: Frosty Fed Com #1
Well: Frosty #1
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well Frosty #1
WELL @ 3521.00ft (RKB= 18)
WELL @ 3521.00ft (RKB= 18)
Grid
Minimum Curvature
EDM 2003.16 Single User Db

Planned Survey	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (%/100ft)	Northing (ft)	Easting (ft)
	7,800.00	90.86	271.49	6,228.63	2,707.63	45.72	-1,757.19	1,757.79	0.00	689,122.92	526,416.71
	7,900.00	90.86	271.49	6,227.13	2,706.13	48.32	-1,857.15	1,857.78	0.00	689,125.52	526,316.75
	8,000.00	90.86	271.49	6,225.63	2,704.63	50.92	-1,957.10	1,957.76	0.00	689,128.12	526,216.80
	8,042.24	90.86	271.49	6,225.00	2,704.00	52.02	-1,999.32	2,000.00	0.00	689,129.22	526,174.58
Target 2 (Frosty #1)											
	8,053.74	91.03	271.49	6,224.81	2,703.81	52.32	-2,010.82	2,011.50	1.50	689,129.52	526,163.08
	8,100.00	91.03	271.49	6,223.98	2,702.98	53.52	-2,057.05	2,057.75	0.00	689,130.72	526,116.85
	8,200.00	91.03	271.49	6,222.18	2,701.18	56.12	-2,157.00	2,157.73	0.00	689,133.32	526,016.90
	8,300.00	91.03	271.49	6,220.37	2,699.37	58.73	-2,256.95	2,257.72	0.00	689,135.93	525,916.95
	8,400.00	91.03	271.49	6,218.57	2,697.57	61.33	-2,356.90	2,357.70	0.00	689,138.53	525,817.00
	8,500.00	91.03	271.49	6,216.77	2,695.77	63.93	-2,456.85	2,457.68	0.00	689,141.13	525,717.05
	8,600.00	91.03	271.49	6,214.97	2,693.97	66.53	-2,556.80	2,557.67	0.00	689,143.73	525,617.10
	8,700.00	91.03	271.49	6,213.17	2,692.17	69.13	-2,656.75	2,657.65	0.00	689,146.33	525,517.15
	8,800.00	91.03	271.49	6,211.37	2,690.37	71.73	-2,756.70	2,757.64	0.00	689,148.93	525,417.20
	8,900.00	91.03	271.49	6,209.57	2,688.57	74.34	-2,856.65	2,857.62	0.00	689,151.54	525,317.25
	9,000.00	91.03	271.49	6,207.76	2,686.76	76.94	-2,956.60	2,957.60	0.00	689,154.14	525,217.30
	9,042.40	91.03	271.49	6,207.00	2,686.00	78.04	-2,998.98	2,999.99	0.00	689,155.24	525,174.92
Target 3 (Frosty #3)											
	9,053.99	90.86	271.49	6,206.81	2,685.81	78.34	-3,010.56	3,011.58	1.50	689,156.54	525,163.34
	9,100.00	90.86	271.49	6,206.12	2,685.12	79.54	-3,056.56	3,057.59	0.00	689,156.74	525,117.34
	9,200.00	90.86	271.49	6,204.62	2,683.62	82.14	-3,156.51	3,157.58	0.00	689,159.34	525,017.39
	9,300.00	90.86	271.49	6,203.12	2,682.12	84.74	-3,256.47	3,257.57	0.00	689,161.94	524,917.43
	9,400.00	90.86	271.49	6,201.63	2,680.63	87.35	-3,356.42	3,357.56	0.00	689,164.55	524,817.48
	9,500.00	90.86	271.49	6,200.13	2,679.13	89.95	-3,456.38	3,457.55	0.00	689,167.15	524,717.52
	9,600.00	90.86	271.49	6,198.63	2,677.63	92.55	-3,556.33	3,557.53	0.00	689,169.75	524,617.57
	9,700.00	90.86	271.49	6,197.13	2,676.13	95.16	-3,656.29	3,657.52	0.00	689,172.36	524,517.61
	9,800.00	90.86	271.49	6,195.63	2,674.63	97.76	-3,756.24	3,757.51	0.00	689,174.96	524,417.66

Pathfinder Energy Services
Pathfinder X & Y Survey Report

Company: Mack Energy	Local Co-ordinate Reference:	Well Frosty #1
Project: Eddy County	TVD Reference:	WELL @ 3521.00ft (RKB= 18)
Site: Frosty Fed Com #1	MD Reference:	WELL @ 3521.00ft (RKB= 18)
Well: Frosty #1	North Reference:	Grid
Wellbore: OH	Survey Calculation Method:	Minimum Curvature
Design: Plan #1	Database:	EDM 2003.16 Single User Db

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	EW (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
9,900.00	90.86	271.49	6,194.14	2,673.14	100.36	-3,856.20	3,857.50	0.00	689,177.56	524,317.70
10,000.00	90.86	271.49	6,192.64	2,671.64	102.96	-3,956.15	3,957.49	0.00	689,180.16	524,217.75
10,042.52	90.86	271.49	6,192.00	2,671.00	104.07	-3,998.65	4,000.00	0.00	689,181.27	524,175.25
Target 4 (Frosty #1)										
10,060.52	90.77	271.75	6,191.74	2,670.74	104.58	-4,016.65	4,018.01	1.50	689,181.78	524,157.25
10,100.00	90.77	271.75	6,191.22	2,670.22	105.78	-4,056.10	4,057.48	0.00	689,182.98	524,117.80
10,200.00	90.77	271.75	6,189.88	2,668.88	108.83	-4,156.04	4,157.47	0.00	689,186.03	524,017.86
10,300.00	90.77	271.75	6,188.54	2,667.54	111.87	-4,255.99	4,257.46	0.00	689,189.07	523,917.91
10,400.00	90.77	271.75	6,187.20	2,666.20	114.92	-4,355.93	4,357.45	0.00	689,192.12	523,817.97
10,500.00	90.77	271.75	6,185.86	2,664.86	117.97	-4,455.88	4,457.44	0.00	689,195.17	523,718.02
10,600.00	90.77	271.75	6,184.52	2,663.52	121.01	-4,555.82	4,557.43	0.00	689,198.21	523,618.08
10,638.90	90.77	271.75	6,184.00	2,663.00	122.20	-4,594.70	4,596.33	0.00	689,199.40	523,579.20
TD at 10639.00' MD										
10,639.00	90.77	271.75	6,184.00	2,663.00	122.20	-4,594.80	4,596.42	0.00	689,199.40	523,579.10
PBHL (Frosty #1)										

Pathfinder Energy Services

Pathfinder X & Y Survey Report

Company: Mack Energy
Project: Eddy County
Site: Frosty Fed Com #1
Well: Frosty #1
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Database:

Well Frosty #1
 WELL @ 3521.00ft (RKB= 18)
 WELL @ 3521.00ft (RKB= 18)
 Grid
 Minimum Curvature
 EDM 2003.16 Single User Db

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Target 3 (Frosty #3) - hit/miss target - Shape	0.00	0.00	6,207.00	78.04	-2,998.98	689,155.240	525,174.920	32° 53' 40.346 N	104° 15' 4.739 W
Target 4 (Frosty #1) - plan hits target - Point	0.00	0.00	6,192.00	104.07	-3,998.65	689,181.270	524,175.250	32° 53' 40.612 N	104° 15' 16.463 W
Target 2 (Frosty #1) - plan hits target - Point	0.00	0.00	6,225.00	52.02	-1,999.32	689,129.220	526,174.580	32° 53' 40.081 N	104° 14' 53.015 W
Target 1 (Frosty #1) - plan hits target - Point	0.00	0.00	6,240.00	26.00	-999.66	689,103.200	527,174.240	32° 53' 39.815 N	104° 14' 41.290 W
PBHL(Frosty #1) - plan hits target - Point	0.00	0.00	6,184.00	122.20	-4,594.80	689,199.400	523,579.100	32° 53' 40.795 N	104° 15' 23.455 W

Plan Annotations	Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
	5,769.50	5,769.50	0.00	0.00	KOP - 5769.50' MD, 0.00° INC, 0.00° AZI, 5769.50' TVD
	6,526.13	6,247.00	12.59	-483.88	Land Curve- 6526.13' MD, 90.78° INC, 271.49° AZI, 6247.00' TVD, 12.00°
	10,638.90	6,184.00	122.20	-4,594.70	TD at 10639.00' MD

Checked By: _____ Date: _____
 Approved By: _____

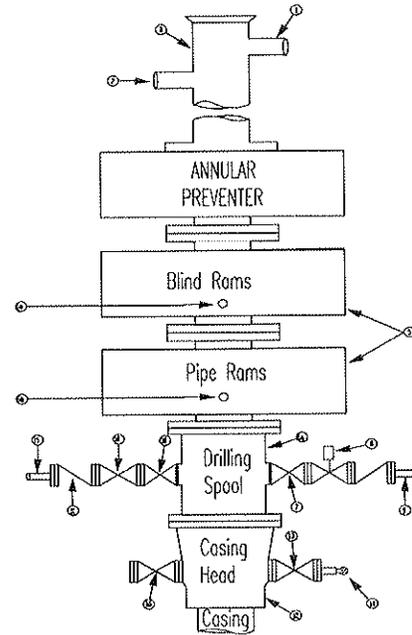
Attachment to Exhibit #9
NOTES REGARDING THE BLOWOUT PREVENTERS
Frosty Federal Com #1
Eddy County, New Mexico

1. Drilling nipple to be so constructed that it can be removed without use of a welder through rotary table opening, with minimum I.D. equal to preventer bore.
2. Wear ring to be properly installed in head.
3. Blow out preventer and all fittings must be in good condition, 2000 psi WP minimum.
4. All fittings to be flanged.
5. Safety valve must be available on rig floor at all times with proper connections, valve to be full 2000 psi WP minimum.
6. All choke and fill lines to be securely anchored especially ends of choke lines.
7. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
8. Kelly cock on Kelly.
9. Extension wrenches and hands wheels to be properly installed.
10. Blow out preventer control to be located as close to driller's position as feasible.
11. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation all API specifications.

Mack Energy Corporation
Minimum Blowout Preventer Requirements
3000 psi Working Pressure
3 MWP
EXHIBIT #10

Stack Requirements

NO.	Items	Min. I.D.	Min. Nominal
1	Flowline		2"
2	Fill up line		2"
3	Drilling nipple		
4	Annular preventer		
5	Two single or one dual hydraulically operated rams		
6a	Drilling spool with 2" min. kill line and 3" min choke line outlets		2" Choke
6b	2" min. kill line and 3" min. choke line outlets in ram. (Alternate to 6a above)		
7	Valve Gate Plug	3 1/8	
8	Gate valve-power operated	3 1/8	
9	Line to choke manifold		3"
10	Valve Gate Plug	2 1/16	
11	Check valve	2 1/16	
12	Casing head		
13	Valve Gate Plug	1 13/16	
14	Pressure gauge with needle valve		
15	Kill line to rig mud pump manifold		2"



OPTIONAL

16	Flanged Valve	1 13/16	
----	---------------	---------	--

CONTRACTOR'S OPTION TO FURNISH:

1. All equipment and connections above bradenhead or casinghead. Working pressure of preventers to be 2000 psi minimum.
2. Automatic accumulator (80 gallons, minimum) capable of closing BOP in 30 seconds or less and, holding them closed against full rated working pressure.
3. BOP controls, to be located near drillers' position.
4. Kelly equipped with Kelly cock.
5. Inside blowout preventer or its equivalent on derrick floor at all times with proper threads to fit pipe being used.
6. Kelly saver-sub equipped with rubber casing protector at all times.
7. Plug type blowout preventer tester.
8. Extra set pipe rams to fit drill pipe in use on location at all times.
9. Type RX ring gaskets in place of Type R.

MEC TO FURNISH:

1. Bradenhead or casing head and side valves.
2. Wear bushing. If required.

GENERAL NOTES:

1. Deviations from this drawing may be made only with the express permission of MEC's Drilling Manager.
2. All connections, valves, fittings, piping, etc., subject to well or pump pressure must be flanged (suitable clamp connections acceptable) and have minimum working pressure equal to rated working pressure of preventers up through choke valves must be full opening and suitable for high pressure mud service.
3. Controls to be of standard design and each marked, showing opening and closing position
4. Chokes will be positioned so as not to hamper or delay changing of choke beans. Replaceable parts for adjustable choke, or bean

5. sizes, retainers, and choke wrenches to be conveniently located for immediate use.
6. All valves to be equipped with hand-wheels or handles ready for immediate use.
7. Choke lines must be suitably anchored.
8. Handwheels and extensions to be connected and ready for use.
9. Valves adjacent to drilling spool to be kept open. Use outside valves except for emergency.
10. All seamless steel control piping (2000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
11. Casinghead connections shall not be used except in case of emergency.
12. Does not use kill line for routine fill up operations.

Mack Energy Corporation

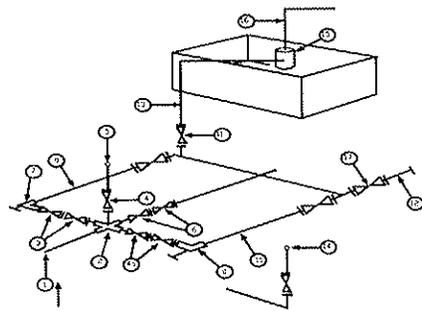
Exhibit #11

MINIMUM CHOKE MANIFOLD

3,000, 5,000, and 10,000 PSI Working Pressure

3M will be used

3 MWP - 5 MWP - 10 MWP



Mud Pit

Reserve Pit

* Location of separator optional

Below Substructure

Minimum requirements

No.		3,000 MWP			5,000 MWP			10,000 MWP		
		I.D.	NOMINAL	Rating	I.D.	Nominal	Rating	I.D.	Nominal	Rating
1	Line from drilling Spool		3"	3,000		3"	5,000		3"	10,000
2	Cross 3" x 3" x 3" x 2"			3,000			5,000			10,000
2	Cross 3" x 3" x 3" x 2"									10,000
3	Valve Gate Plug	3 1/8"		3,000	3 1/8"		5,000	3 1/8"		10,000
4	Valve Gate Plug	1 13/16"		3,000	1 13/16"		5,000	1 13/16"		10,000
4a	Valves (1)	2 1/16"		3,000	2 1/16"		5,000	2 1/16"		10,000
5	Pressure Gauge			3,000			5,000			10,000
6	Valve Gate Plug	3 1/8"		3,000	3 1/8"		5,000	3 1/8"		10,000
7	Adjustable Choke (3)	2"		3,000	2"		5,000	2"		10,000
8	Adjustable Choke	1"		3,000	1"		5,000	2"		10,000
9	Line		3"	3,000		3"	5,000		3"	10,000
10	Line		2"	3,000		2"	5,000		2"	10,000
11	Valve Gate Plug	3 1/8"		3,000	3 1/8"		5,000	3 1/8"		10,000
12	Line		3"	1,000		3"	1,000		3"	2,000
13	Line		3"	1,000		3"	1,000		3"	2,000
14	Remote reading compound Standpipe pressure guage			3,000			5,000			10,000
15	Gas Separator		2' x 5'			2' x 5'			2' x 5'	
16	Line		4"	1,000		4"	1,000		4"	2,000
17	Valve Gate Plug	3 1/8"		3,000	3 1/8"		5,000	3 1/8"		10,000

- (1) Only one required in Class 3M
- (2) Gate valves only shall be used for Class 10 M
- (3) Remote operated hydraulic choke required on 5,000 psi and 10,000 psi for drilling.

EQUIPMENT SPECIFICATIONS AND INSTALLATION INSTRUCTION

1. All connections in choke manifold shall be welded, studded, flanged or Cameron clamp of comparable rating.
2. All flanges shall be API 6B or 6BX and ring gaskets shall be API RX or BX. Use only BX for 10 MWP.
3. All lines shall be securely anchored.
4. Chokes shall be equipped with tungsten carbide seats and needles, and replacements shall be available.
5. Choke manifold pressure and standpipe pressure gauges shall be available at the choke manifold to assist in regulating chokes. As an alternate with automatic chokes, a choke manifold pressure gauge shall be located on the rig floor in conjunction with the standpipe pressure gauge.
6. Line from drilling spool to choke manifold should be as straight as possible. Lines downstream from chokes shall make turns by large bends or 90 degree bends using bull plugged tees.

Mack Energy Corporation Onshore Order #6 Hydrogen Sulfide Drilling Operation Plan

I. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

1. The hazards and characteristics of hydrogen sulfide (H₂S)
2. The proper use and maintenance of personal protective equipment and life support systems.
3. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

1. The effects of H₂S on metal components. If high tensile tubular are to be used, personnel will be trained in their special maintenance requirements.
2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
3. The contents and requirements of the H₂S Drilling Operations Plan and Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan and the Public Protection Plan. **The concentrations of H₂S of wells in this area from surface to TD are low enough that a contingency plan is not required.**

II. H2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonable expected to contain H2S.

1. Well Control Equipment:

- A. Flare line.
- B. Choke manifold.
- C. Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
- D. Auxiliary equipment may include if applicable: annular preventer & rotating head.

2. Protective equipment for essential personnel:

- A. Mark II Survive air 30-minute units located in the doghouse and at briefing areas, as indicated on well site diagram.

3. H2S detection and monitoring equipment:

- A. 1 portable H2S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 PPM are reached.

4. Visual warning systems:

- A. Wind direction indicators as shown on well site diagram (Exhibit #8).
- B. Caution/Danger signs (Exhibit #7) shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.

5. Mud program:

- A. The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices and the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.

6. Metallurgy:

- A. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
- B. All elastomers used for packing and seals shall be H₂S trim.

7. Communication:

- A. Radio communications in company vehicles including cellular telephone and 2-way radio.
- B. Land line (telephone) communication at Office.

8. Well testing:

- A. Drill stem testing will be performed with a minimum number of personnel in the immediate vicinity, which are necessary to safely and adequately conduct the test. The drill stem testing will be conducted during daylight hours and formation fluids will not be flowed to the surface. All drill-stem-testing operations conducted in an H₂S environment will use the closed chamber method of testing.
- B. There will be no drill stem testing.

EXHIBIT #7

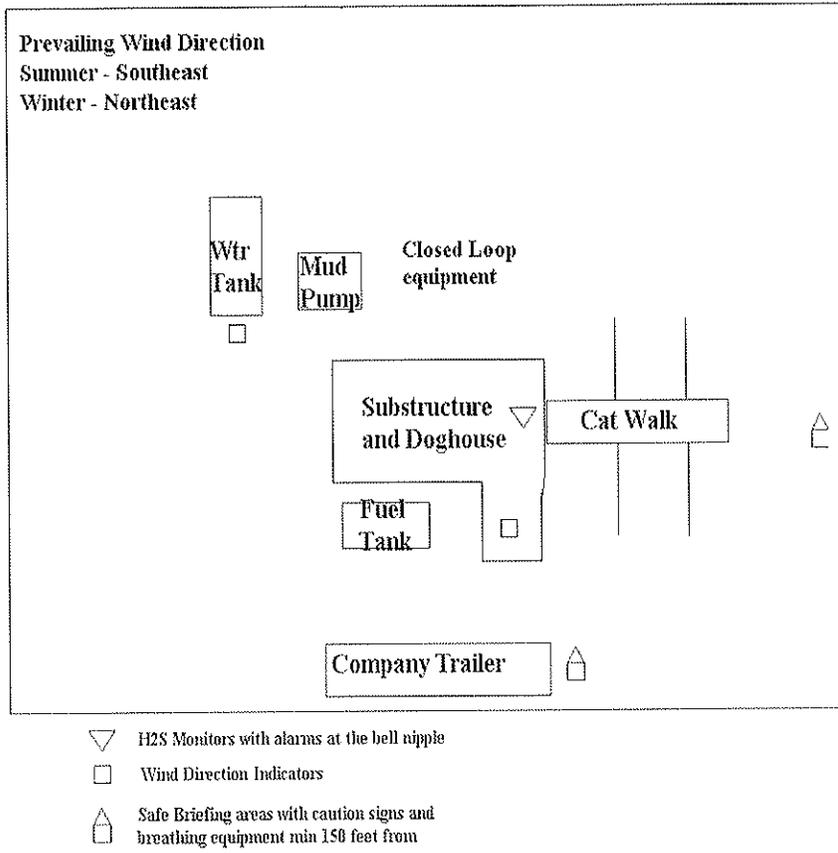
WARNING
YOU ARE ENTERING AN H₂S
AUTHORIZED PERSONNEL ONLY

1. BEARDS OR CONTACT LENSES NOT ALLOWED
2. HARD HATS REQUIRED
3. SMOKING IN DESIGNATED AREAS ONLY
4. BE WIND CONSCIOUS AT ALL TIMES
5. CHECK WITH MACK ENERGY FOREMAN AT OFFICE

MACK ENERGY CORPORATION

1-575-748-1288

DRILLING LOCATION H2S SAFTY EQUIPMENT Exhibit # 8



Mack Energy Corporation Call List, Eddy County

Artesia (575)	Cellular	Office	Home
Jim Krogman.....	746-5515.....	748-1288.....	746-2674
Lonnie Archer.....	746-7889.....	748-1288.....	365-2998
Donald Archer.....	748-7875.....	748-1288.....	748-2287
Chris Davis.....	746-7132.....	748-1288.....	
Kevin Garrett.....	746-7423.....	748-1288.....	

Agency Call List (575)

Artesia

State Police.....	746-2703
City Police.....	746-2703
Sheriff's Office.....	746-9888
Ambulance.....	911
Fire Department.....	746-2701
LEPC (Local Emergency Planning Committee.....	746-2122
NMOCD.....	748-1283

Carlsbad

State Police.....	885-3137
City Police.....	885-2111
Sheriff's Office.....	887-7551
Ambulance.....	911
Fire Department.....	885-2111
LEPC (Local Emergency Planning Committee.....	887-3798
Bureau of Land Management.....	887-6544
New Mexico Emergency Response Commission.....	(505)476-9690
24 Hour.....	(505)827-9126
Natonal Emergency Response Center (Washington).....	(800)424-8802

Emergency Services

Boots & Coots IWC.....	1-800-256-9688 or (281)931-8884
Cudd pressure Control.....	(915)699-0139 or (915)563-3356
Halliburton.....	746-2757
B. J. Services.....	746-3569
Flight For Life-Lubbock, TX.....	(806)743-9911
Aerocare-Lubbock, TX.....	(806)747-8923
Med Flight Air Amb-Albuquerque, NM.....	(505)842-4433
Lifeguard Air Med Svc. Albuquerque, NM.....	(505)272-3115

SURFACE USE AND OPERATING PLAN

1. Existing & Proposed Access Roads

- A. The well site and elevation plat for the proposed well is shown in Exhibit #1. It was staked by John West Engineering, Hobbs, NM.
- B. All roads to the location are shown in Exhibit below. The existing lease roads are illustrated and are adequate for travel during drilling and production operations. Upgrading existing roads prior to drilling well will be done where necessary.
- C. Directions to Location: From the intersection of Hwy 82 and CR 202 go North on CR 202 2.6 miles, turn right/NE 1.2 miles, veer left/NW 2.7 miles, turn right/NE 0.5 miles, veer right/East 0.1 miles, turn right/South 0.3 miles, go West 285ft to location.
- D. Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

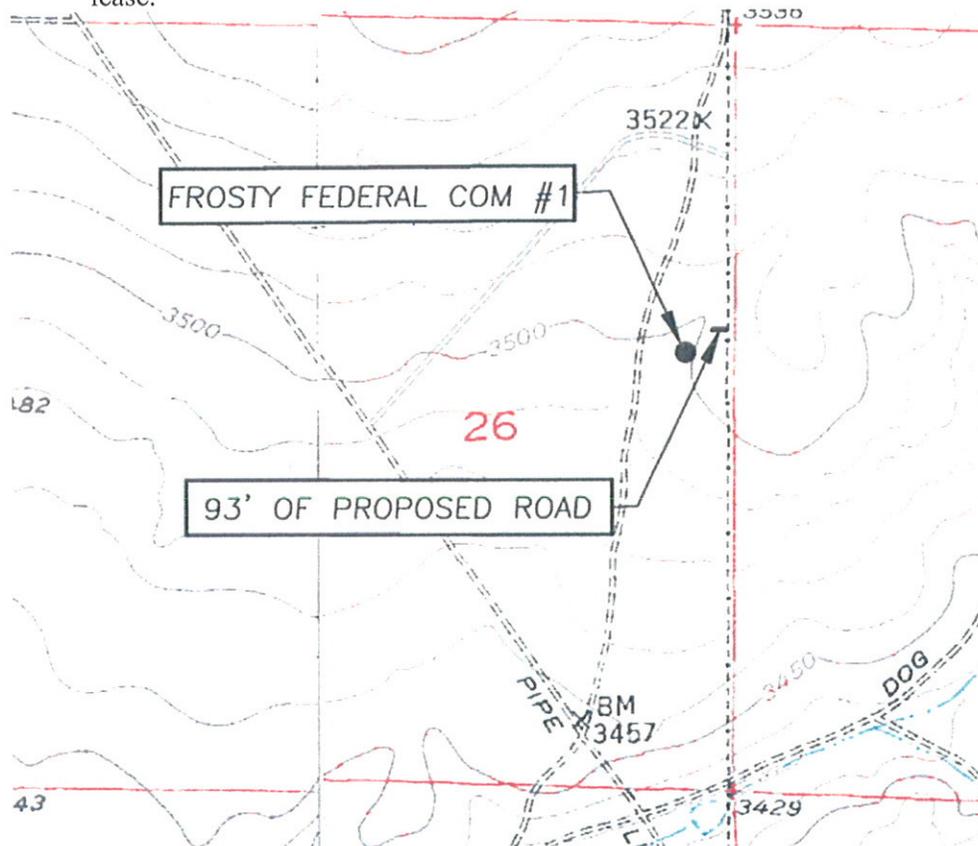


Exhibit #4

2. Proposed Access Road:

Exhibit #3 shows the 93' of new access road to be constructed. The road will be constructed as follows:

- A. The Maximum width of the running surface will be 14'. The road will be crowned and ditched and constructed of 6" rolled and compacted caliche. Ditches will be at 3:1 slope and 4 feet wide. Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage, and to be consistent with local drainage patterns.
- B. The average grade will be less than 1%.
- C. No turnouts are planned.
- D. No culverts, cattleguard, gates, low water crossings or fence cuts are necessary.
- E. Surfacing material will consist of native caliche. Caliche will be obtained from the nearest BLM approved caliche pit.
- F. The proposed access road as shown in Exhibit #3 has been centerline flagged by John West Engineering, Hobbs, New Mexico.

3. Location of Existing Wells & Proposed flow lines for New Wells:

Exhibit #4 shows all existing wells within a one-mile radius of this well. Proposed flow lines, will stay on location production facility will be constructed.

4. Location of Existing and/or Proposed Facilities:

- A. Mack Energy Corporation does not operate a production facility on this lease.
- B. If the well is productive, contemplated facilities will be as follows:
 - 1) Abo Completion: Will be sent to the Frosty Federal Com TB located at the #1 well. The Facility is shown in Exhibit #5.
 - 2) The tank battery and facilities including all flow lines and piping will be installed according to API specifications.
 - 3) Any additional caliche will be obtained from a BLM approved caliche pit. Any additional construction materials will be purchased from contractors.

Attached to Form 3160-3
Mack Energy Corporation
Frosty Federal Com #1
SHL 2285 FNL & 330 FEL Unit H, Sec. 26 T16S R27E
BHL 2285 FNL & 330 FWL Unit E, Sec. 26 T16S R27E
Eddy County, NM

- 4) It will be necessary to run electric power if this well is productive. Power will be run by CVE and they will send in a separate plan for power.

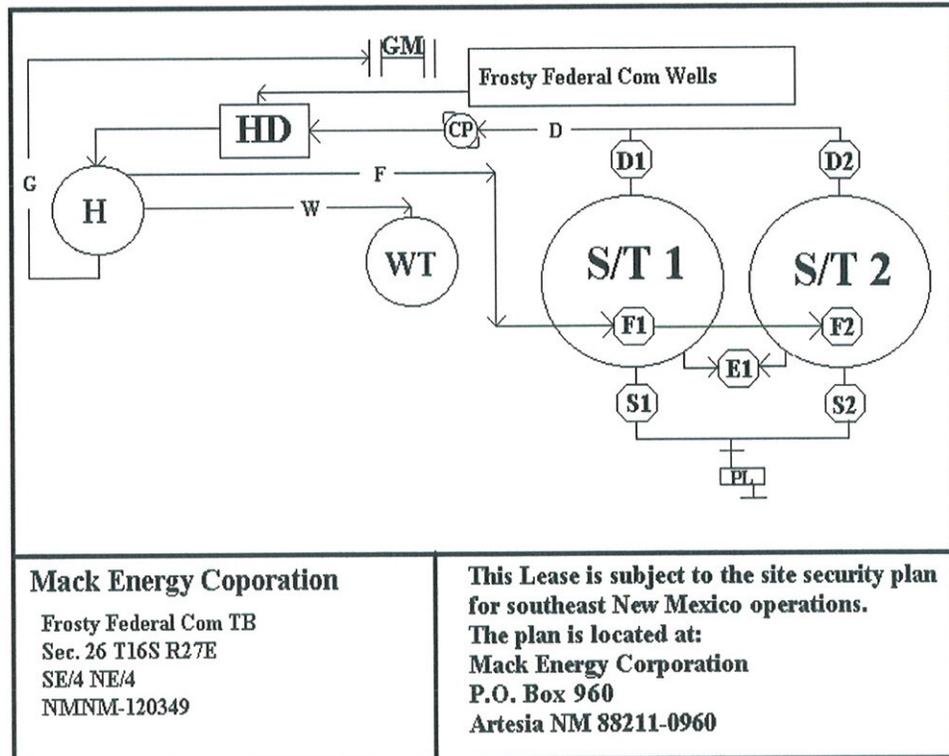


Exhibit #5

- A. If the well is productive, rehabilitation plans are as follows:
- 1) Topsoil removed from the drill site will be used to recontour the surrounding area to the original natural level, as nearly as possible, and reseeded as per BLM specifications.

5. Location and Type of Water Supply:

The well will be drilled with combination brine and fresh water mud system as outlined in the drilling program. The water will be obtained from commercial water stations in the area and hauled to location by transport truck over the existing and proposed access roads shown in Exhibit #4. If a commercial fresh water source is nearby, fasline may be laid along existing road ROW's and fresh water pumped to the well. No water well will be drilled on the location.

6. Source of Construction Materials:

Attached to Form 3160-3
Mack Energy Corporation
Frosty Federal Com #1
SHL 2285 FNL & 330 FEL Unit H, Sec. 26 T16S R27E
BHL 2285 FNL & 330 FWL Unit E, Sec. 26 T16S R27E
Eddy County, NM

All caliche required for construction of the drill pad and proposed new access road (approximately 2500 cubic yards) will be obtained from a BLM approved caliche pit.

7. Methods of Handling Water Disposal:

- A. Drill cuttings not retained for evaluation purposes will be disposed into the steel tanks and hauled to an approved facility.
- B. Drilling fluids will be contained in steel tanks using a closed loop system.
- C. Water produced from the well during completion may be disposed into a steel tank. After the well is permanently placed on production, produced water will be collected in tanks (fiberglass) until pumped to an approved disposal system; produced oil will be collected in steel tanks until sold.
- D. Garbage and trash produced during drilling or completion operations will be collected in a trash bin and hauled to an approved landfill. All water and fluids will be disposed of into an approved facility. No toxic waste or hazardous chemicals will be produced by this operation.
- E. After the rig is moved out and the well is either completed or abandoned, all waste materials will be cleaned up within 30 days. In the event of a dry hole only a dry hole marker will remain.

8. Ancillary Facilities:

No airstrip, campsite or other facilities will be built as a result of the operation on this well.

9. Well Site Layout:

- A. The drill pad layout, with elevations staked by John West Engineering, is shown in Exhibit #6. Dimensions of the pad are shown. Topsoil, if available, will be stockpiled per BLM specifications. Because the pad is almost level no major cuts will be required.
- B. Diagram below shows the proposed orientation of the location. No permanent living facilities are planned, but a temporary foreman/toolpusher's trailer will be on location during the drilling operations.

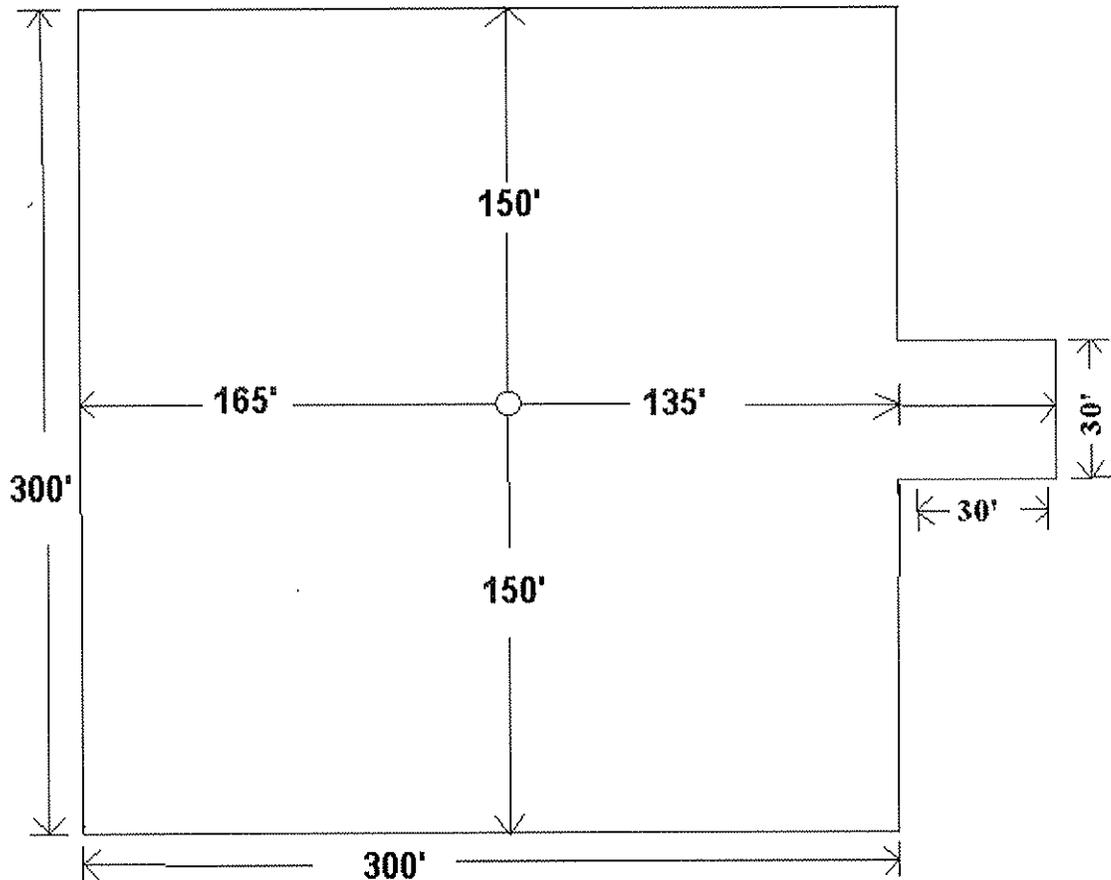


Exhibit #6

Attached to Form 3160-3
Mack Energy Corporation
Frosty Federal Com #1
SHL 2285 FNL & 330 FEL Unit H, Sec. 26 T16S R27E
BHL 2285 FNL & 330 FWL Unit E, Sec. 26 T16S R27E
Eddy County, NM

10. Plans for Restoration of the Surface:

- A. Upon completion of the proposed operations, if the well is completed, any additional caliche required for facilities will be obtained from a BLM approved caliche pit.
- B. In the event of a dry hole. Topsoil removed from the drill site will be used to recontour the area to its original natural level and reseeded as per BLM specifications.

11. Surface Ownership:

The well site and lease is located entirely on Federal surface. We have notified the surface lessee of the impending operations. According to BLM the lessee is Bogel Limited Company, Lewis Derrick, P.O. Box 460 Dexter, NM 88230.

12. Other Information:

- A. The area around the well site is grassland and the topsoil is sandy. The vegetation is native scrub grass with sagebrush.
- B. There is no permanent or live water in the immediate area.
- C. A Cultural Resources Examination has been requested and will be forwarded to your office in the near future.

13. Lessee's and Operator's Representative:

The Mack Energy Corporation representative responsible for assuring compliance with the surface use plan is as follows:

Jerry W. Sherrell
Mack Energy Corporation
P.O. Box 960
Artesia, NM 88211-0960
Phone (575) 748-1288 (office)

CERTIFICATION

I hereby certify that I, or person under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this APD are to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by Mack Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: 1-7-09

Signed: 
Jerry W. Sherrell

UNITED STATES DEPT OF INTERIOR

BUREAU OF LAND MANAGEMENT

BOND ABSTRACT

BLM BOND NO: NMB000286
 DOCUMENT ID: B001473
 CASE TYPE: 310434 O&G BOND ALL LANDS

DISPOSITION: ACCEPTED

NAME AND ADDRESS OF BOND PARTIES

B90000369 BONDED PRINCIPAL
 MACK ENERGY CORP
 PO BOX 960
 ARTESIA NM 882110960

NAME AND ADDRESS OF SURETY PARTIES

S20030005001 SURETY
 U.S. SPECIALTY INSURANCE
 COMPANY
 13403 NORTHWEST FREEWAY
 HOUSTON TX 770406094

SERIAL NUMBER(s):

BOND AREA: STATEWIDE
 TYPE OF LAND: FEDERAL-PUBLIC
 BOND TYPE: SURETY

STATES COVERED: NM
 BOND AMOUNT:\$25,000

BONDED ACTIVITY/PURPOSE

GENERAL LSE/DRILLING
 PROTECTION SURFACE OWNER
 EXPLORATION
 OPERATOR

COMMODITY(IES)

OIL & GAS L

ACTION CODE	ACTION DATE	ACTION TAKEN	ACTION REMARKS	PENDING
468	03/28/2005	BOND FILED		NM92110
469	03/29/2005	BOND ACCEPTED	EFF 03/29/05;	
974	03/29/2005	AUTOMATED RECORD VERIF	TF/TF	
478	08/29/2005	RIDER FILED	ASSUMPTION	NM92100
479	09/01/2005	RIDER ACCEPTED	GULF 58 59 88 NM2151	
974	09/01/2005	AUTOMATED RECORD VERIF	MCS	

GENERAL REMARKS

LINE # REMARK

**United States Department of the Interior
Bureau of Land Management**

Receipt

CARLSBAD FIELD OFFICE
620 E. GREENE
CARLSBAD, NM 88220 -6292
Phone: (575) 234-5972

No: 1852787

Transaction #: 1912942	
Date of Transaction: 01/09/2009	
CUSTOMER:	MACK ENERGY CORPORATION PO BOX 960 ARTESIA, NM 88211-0960 US

LINE #	QTY	DESCRIPTION	REMARKS	UNIT PRICE	TOTAL
1	2.00	OIL & GAS / APPLICATION FOR PERMIT TO DRILL (APD) / APD FEE	FROSTY FED COM #1; GRING FED COM #1	4000.00	8000.00
TOTAL:					\$8,000.00

PAYMENT INFORMATION			
1	AMOUNT:	8000.00	POSTMARKED: 01/08/2009
	TYPE:	CHECK	RECEIVED: 01/09/2009
	CHECK NO:	13100	
	NAME:	MACK ENERGY CORP PO BOX 960 ARTESIA NM 88211-0960 US	

REMARKS

This receipt was generated by the automated BLM Collections and Billing System and is a paper representation of a portion of the official electronic record contained therein.

*posted
1/9/09*

**BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) SERIAL REGISTER PAGE**

Run Date/Time: 12/11/08 08:01 AM

Page 1 of 1

01 12-22-1987;101STAT1330;30USC181 ET SEQ
Case Type 312021: O&G LSE COMP PD -1987
Commodity 459: OIL & GAS L
Case Disposition: AUTHORIZED

Total Acres
800.000

Serial Number
NMNM-- - 120349
S/L

Serial Number: NMNM-- - 120349

Name & Address		Int Rel	%Interest
CHASE OIL CORP	PO BOX 1767	ARTESIA NM 88211	LESSEE 100.00000000

Serial Number: NMNM-- - 120349

Mer Twp Rng	Sec	SType	Nr Suff	Subdivision	District/Resource Area	County	Mgmt Agency
23 0160S 0270E 024		ALIQ		N2,SW;	CARLSBAD FO	EDDY	BUREAU OF LAND MGMT
23 0160S 0270E 026		ALIQ		NE,SW;	CARLSBAD FO	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 120349

Act Date	Code	Action	Action Remarks	Pending Office
02/28/2008	387	CASE ESTABLISHED	200804008;	
04/01/2008	299	PROTEST FILED	/1/W ENVR LAW CTR	
04/01/2008	299	PROTEST FILED	/2/WILDEARTH GUARDIAN	
04/16/2008	143	BONUS BID PAYMENT RECD	\$1600.00;	
04/16/2008	191	SALE HELD		
04/16/2008	267	BID RECEIVED	\$1360000.00;	
04/23/2008	143	BONUS BID PAYMENT RECD	\$1358400.00;	
07/11/2008	298	PROTEST DISMISSED	/1/	
07/11/2008	298	PROTEST DISMISSED	/2/	
07/18/2008	237	LEASE ISSUED		
07/18/2008	974	AUTOMATED RECORD VERIF	BCO	
08/01/2008	496	FUND CODE	05;145003	
08/01/2008	530	RLTY RATE - 12 1/2%		
08/01/2008	868	EFFECTIVE DATE		
07/31/2018	763	EXPIRES		

Serial Number: NMNM-- - 120349

Line Nr	Remarks
0002	STIPULATIONS ATTACHED TO LEASE:
0003	NM-11-LN SPECIAL CULTURAL RESOURCE
0004	SENM-LN-1 CAVE - KARST OCCURRENCE AREA
0005	SENM-S-17 SLOPES OR FRAGILE SOILS
0006	SENM-S-21 CAVES AND KARST

**BUREAU OF LAND MANAGEMENT
CASE RECORDATION
(LIVE) SERIAL REGISTER PAGE**

Run Date/Time: 12/11/08 08:49 AM

Page 1 of 1

01 12-22-1987;101STAT1330;30USC181 ET SEQ
Case Type 312021: O&G LSE COMP PD -1987
Commodity 459: OIL & GAS L
Case Disposition: AUTHORIZED

Total Acres
280.000

Serial Number
NMNM-- - 114347

BILL

Serial Number: NMNM-- - 114347

Name & Address			Int Rel	%Interest
THE BLANCO CO	PO BOX 25968	ALBUQUERQUE NM 87125	LESSEE	100.00000000

Serial Number: NMNM-- - 114347

Mer Twp Rng	Sec	SType	Nr Suff	Subdivision	District/Resource Area	County	Mgmt Agency	
23	0160S	0270E	026	ALIQ	NW,N2SE,SWSE;	CARLSBAD FO	EDDY	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 114347

Act Date	Code	Action	Action Remarks	Pending Office
07/19/2005	387	CASE ESTABLISHED	200507026;	
07/20/2005	191	SALE HELD		
07/20/2005	267	BID RECEIVED	\$154000.00;	
08/11/2005	237	LEASE ISSUED		
08/11/2005	974	AUTOMATED RECORD VERIF	LR	
09/01/2005	496	FUND CODE	05;145003	
09/01/2005	530	RLTY RATE - 12 1/2%		
09/01/2005	868	EFFECTIVE DATE		
01/03/2006	963	CASE MICROFILMED		
08/31/2015	763	EXPIRES		

Serial Number: NMNM-- - 114347

Line Nr	Remarks
02	STIPULATIONS ATTACHED TO LEASE:
03	NM-11-LN SPECIAL CULTURAL RESOURCE LEASE
04	NOTICE
05	SENM-LN-1 CAVE - KARST OCCURRENCE AREA
06	SENM-S-17 SLOPES OR FRAGILE SOILS
07	GYPSUM SOILS
08	SENM-S-21 CAVES AND KARST

