ATS-09-526

Form 3160-3
(April 2004)

BLM-CARLSBAD FIELD OFFICE

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

NOS 7/22/09

5. Lease Serial No.
NM-120908

6. If Indian, Allotee or Tribe Name
---

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

1a. Type of work: [ ] DRILL [X] REENTER

1b. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other [X] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.
PADUCA "30" FEDERAL # 1

2. Name of Operator
OGX RESOURCES, LLC. (Jeff Birkelbach 432-685-1287)

9. API Well No.
30-025-26234

3a. Address
P. O. BOX 2064 MIDLAND, TEXAS 79702

3b. Phone No. *(include area code)*
432-685-1287

10. Field and Pool, or Exploratory
WILDCAT-WOLFCAMP

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface 1980' FNL & 1980' FEL SECTION 30 T24S-R32E
At proposed prod. zone 330' FSL & 1980' FEL SECTION 30 T24S-R32E

11. Sec., T. R. M. or Blk. and Survey or Area
SECTION 30 T24S-R32E

14. Distance in miles and direction from nearest town or post office*
Approximately 30 miles West of Jal New Mexico

12. County or Parish
LEA CO.

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 1980'

16. No. of acres in lease
1840

17. Spacing Unit dedicated to this well
120

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

19. Proposed Depth
MD-14,427'
TVD-11,650'

20. BLM/BIA Bond No. on file
NMB-000244

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
3540' GL

22. Approximate date work will start*
WHEN APPROVED

23. Estimated duration
36. 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 Joe T. Janica

Name *(Printed/Typed)* Joe T. Janica

Date 08/06/09

Title
Permit Eng.

Approved by *(Signature)*

Name *(Printed/Typed)*

Date

Title

Office

Application approval does not warrant or 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)*

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

State of New Mexico
Energy, Minerals and Natural Resources Department

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
30-025-26234		WILDCAT-WOLFCAMP

Property Code	Property Name	Well Number
	PADUCA "30" FEDERAL	1

OGRID No.	Operator Name	Elevation
217955	OGX RESOURCES	3540'

Surface Location

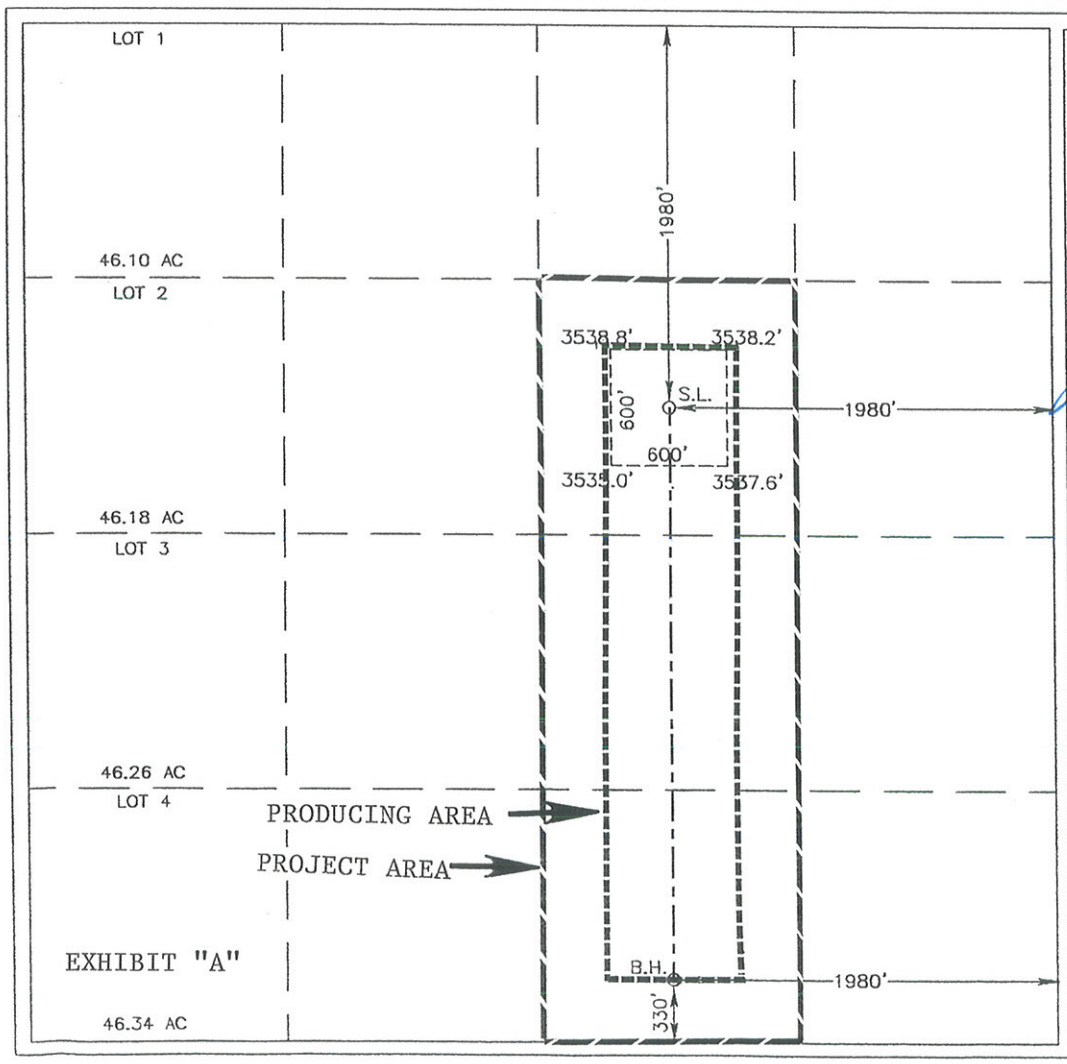
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	30	24-S	32-E		1980	NORTH	1980	EAST	LEA

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
O	30	24-S	32-E		330	SOUTH	1980	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
120			

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.

Joe T. Janica
Signature

Date 08/06/09

Joe T. Janica
Printed Name

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Union Oil Co. of California	Paduca Federal	1
G 30	24 South 32 East	Lea
1980 North	1980 East	
3536.7 Morrow	Wildcat	320

Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

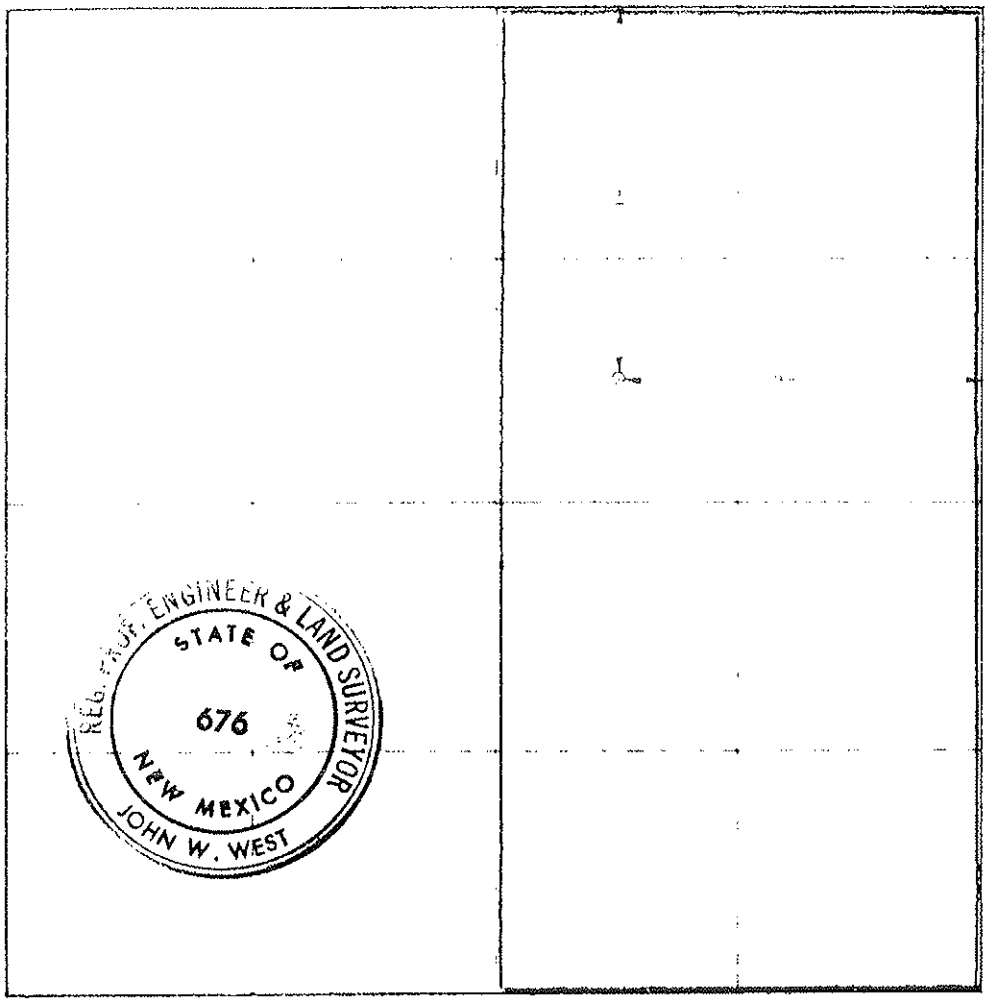
If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling etc.

Yes No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

J. L. White

J.L. White

Drilling Supt.

Union Oil Co. of California

January 26, 1979

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 knowledge and belief.

January 24, 1979

John W. West

Certificate No. John W. West 676

Ronald J. Eidson 3239

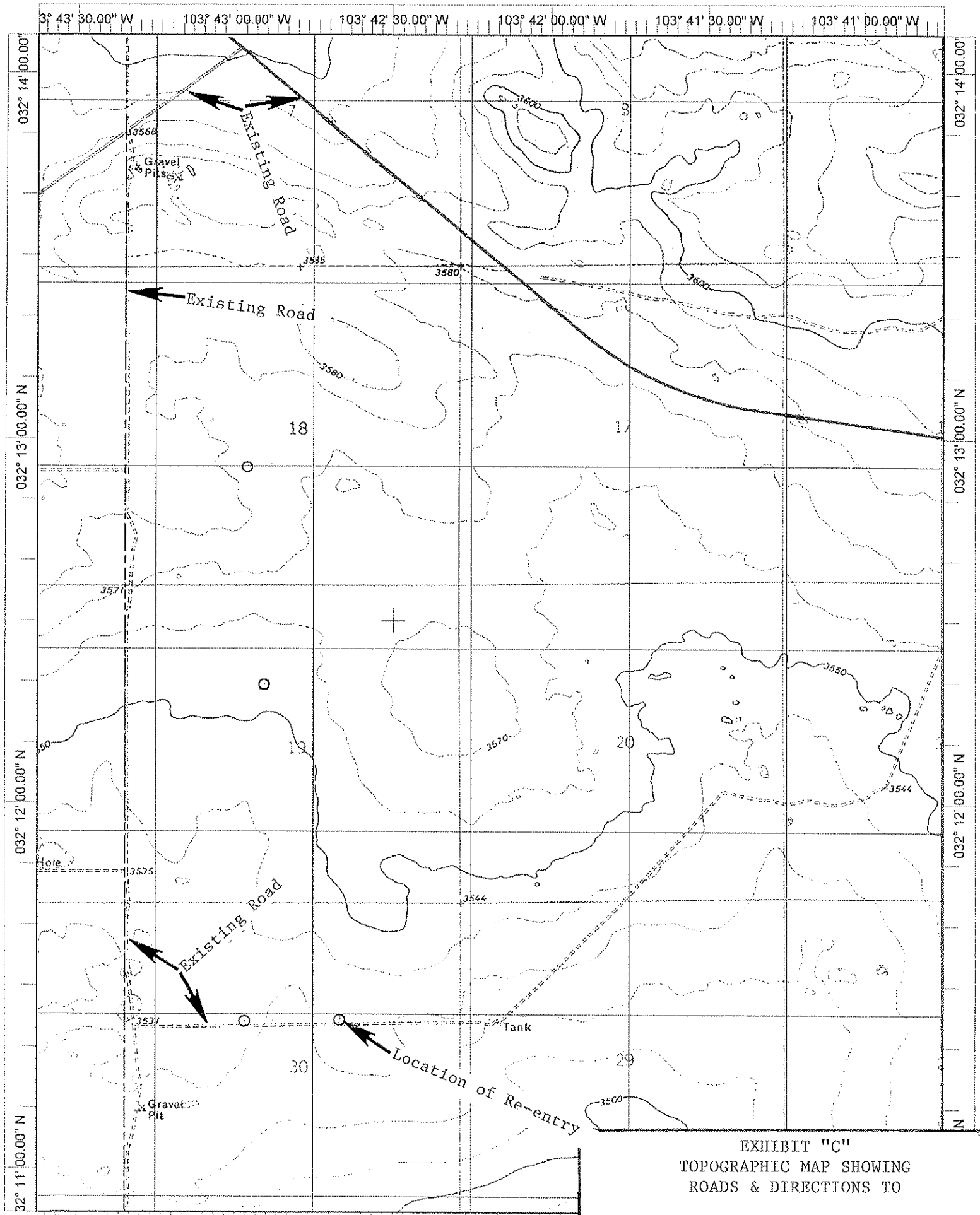


EXHIBIT "C"
TOPOGRAPHIC MAP SHOWING
ROADS & DIRECTIONS TO

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

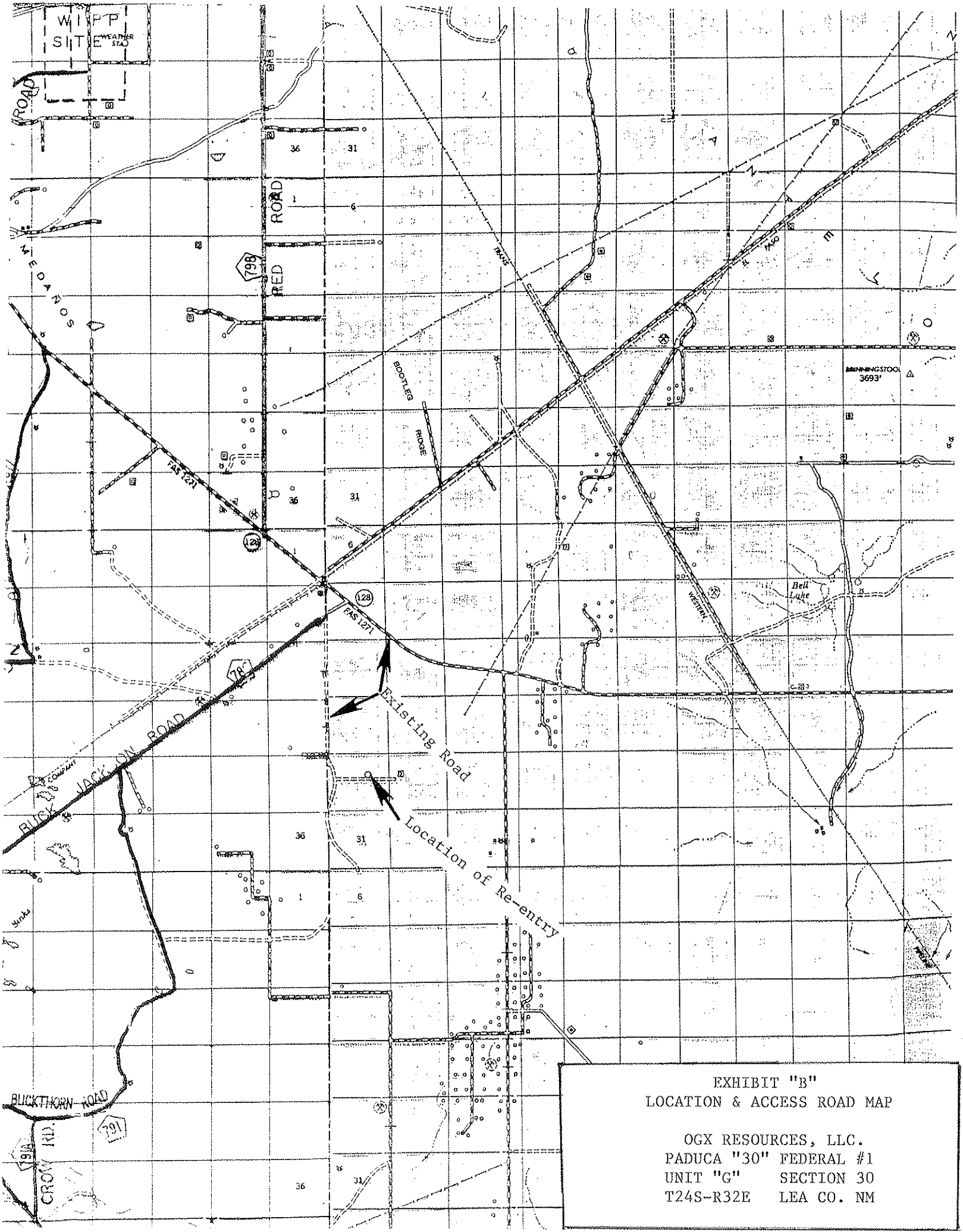


EXHIBIT "B"
LOCATION & ACCESS ROAD MAP

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

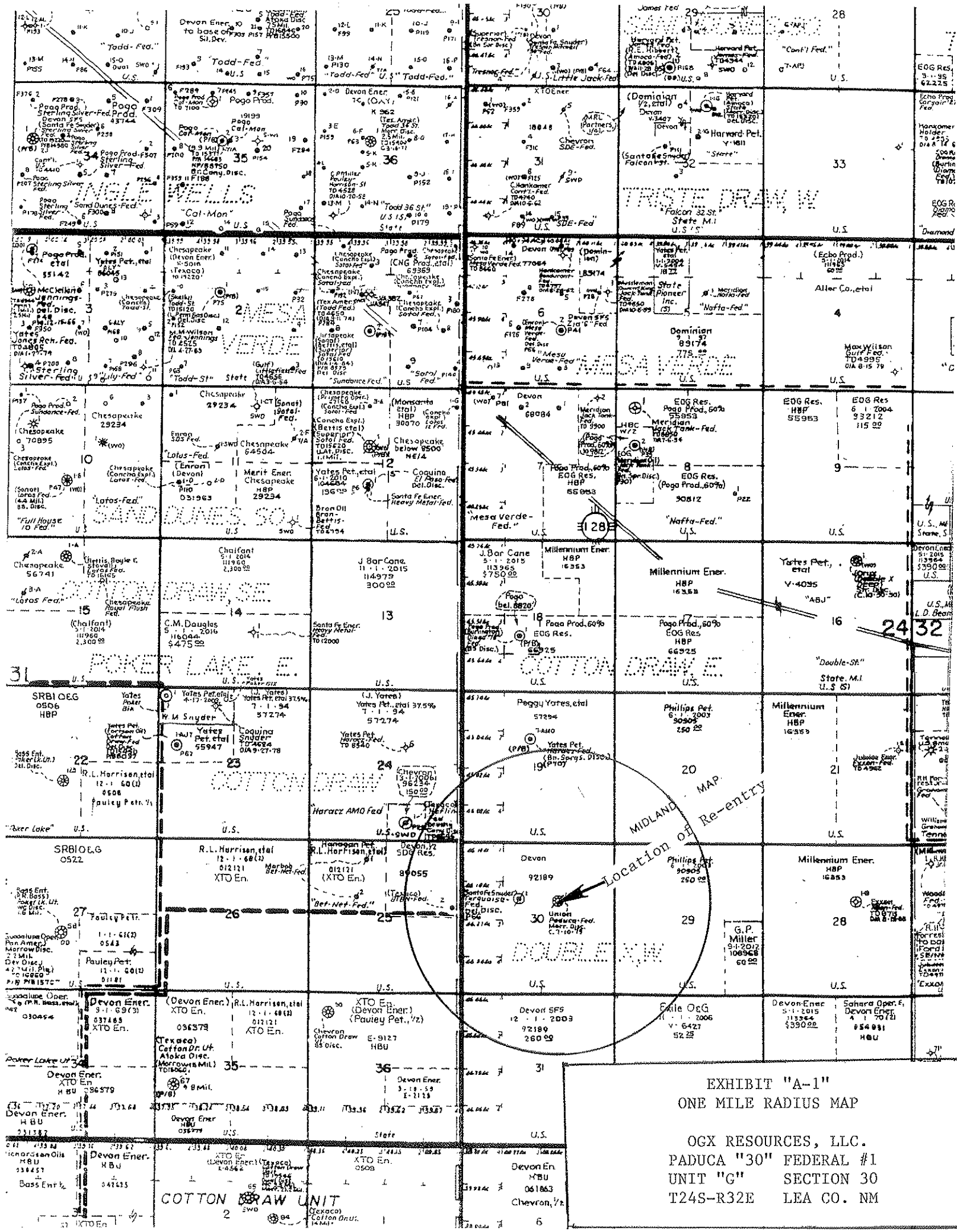


EXHIBIT "A-1"
ONE MILE RADIUS MAP

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

APPLICATION TO RE-ENTER

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

In responce to questions asked under Section II of Bulletin NTL-6, the following information on the above well will be provider.

1. LOCATION: 1980' FNL & 1980' FEL SECTION 30 T24S-R32E LEA CO. NM

2. ELEVATION ABOVE SEA LEVEL: 3535' GL

3. GEOLOGICAL NAME OF SURFACE FORMATION: Quaternery Aeolian Deposits;

4. DRILLING TOOLS AND ASSOCIATED EQUIPMENT: Conventional rotary drilling rig using drilling mud as a circulating medium for the removal of solidsfrom the hole.

5. PROPOSED DRILLING DEPTH: MD-14,427' TVD-11,650'

6. ESTIMATED TOPS OF GEOLOGICAL FORMATIONS:

Lamar Lime	4595'
Bone Spring	8526'
Wolfcamp	11,606'

7. POSSIBLE MINERAL BEARING FORMATIONS:

Bone Spring	Oil
Wolfcamp	Oil

8. CASING PROGRAM:

HOLE SIZE	INTERVAL	CASING OD	WEIGHT	THREAD	COLLAR	GRADE	CONDITION
ORIGINAL CASING SETTING DEPTH WEIGHT & SIZE							
17½"	0-719'	13 3/8"	48#	8-R	ST&C	H-40	New
12¼"	0-4600'	10 3/4"	51.5# 45.5#	BUTT	BT&C	K55	New
9½"	0-12,834'	7 5/8"	29.7#	8-R	LT&C	S-95 P-110	New
6¼"	12,622-15531 LINER	5½"	20#	8-R	LT&C	P-110	New

9. CASING CEMENTING & SETTING DEPT

13 3/8"	Surface	Ran and set 719' of 13 3/8" 48# H-40 ST&C casing. Cemented with 350 Sx. of cement and circulated cement to surface.
10 3/4"	Intermediate	Ran 4600' of 10 3/4" 51.5# & 45.5# K-55 LT&C & BT&C casing. Cemented with 1800 Sx. of cement and circulated cement to surface.
7 5/8"	2nd Intermediate	Ran 12,834' of 7 5/8" 29.7# S-95 & P-110 LT&C casing. Cemented in two stages. 1st stage 825 Sx. 2nd stage (DV Tool at 7918') cemented with 1000 Sx. Temperature survey indicated top of cement 4400'.
4½"	Production Liner	Will cut window in 7 5/8" casing for KO point at 11,200±' drill lateral with 6 1/8" bit to 14,427±' MD. Run 3930±' of 4½" 13.5# P-110 LT&C casing. Cement with 440 Sx (or 20% excess of Caliper measurement) to top of liner.

10. PRESSURE CONTROL EQUIPMENT: Exhibit "E" shows a 1500 Series 5000 PSI working pressure B.O.P. consisting of an annular bag type preventor, middle blind rams, and bottom pipe rams. The B.O.P. will be nippled up on the 13 3/8" casing and tested to API specifications. The B.O.P. will be operated at least once in each 24 hour period and the blind rams will be operated when the drill pipe is out of the hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. Exhibit "E-1" shows a hydraulically operated closing unit and a 3" 5000 PSI working pressure choke manifold with dual adjustable chokes. No abnormal pressure or temperatures are expected while drilling this well.

11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.	FLUID LOSS	TYPE MUD SYSTEM
DRILL OUT CEMENT PLUGS WITH FRESH WATER.				
11,200'-11,650'	10.0	29-34	NC	Drill hole to EOC with brine water use high viscosity sweeps as required to clean hole.
11,650-14,427'	10.0	29-34	10 cc or less	Brine water and Polymer as needed to control WL and high viscosity sweeps clean hole.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, and casing the viscosity and/or the water loss may have to be adjusted to meet these needs.

APPLICATION TO RE-ENTER

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

12. LOGGING, CORING, AND TESTING PROGRAM:

A. Run Gamma Ray, CNL, & CCL from TD (12,622') back to 4500'.

B. Run Gyro in order to orient whipstock.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. There is no known presence of H^2S in this area. If H^2S is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 5500 PSI, and Estimated BHT 180°.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Repair road as soon as approval is obtained. Well Service Rig will move in and rig up with related equipment. Clean out of old hole and drilling of new hole will take an estimated time of 28 ± days. Running of liner and completion will take an estimated time of 30 days. The construction facilities will take an an estimated time of 15± days.

OGX Resources – Reentry Procedure
Paduca Fed No. 1
Lea County, New Mexico
July 2009

General Information

Lease:	Paduca	API No.:	30-025-26234
Well No.:	Fed1	Casing:	
Field:	Wildcat	Sur:	13 3/8" 48# H40
County:	Lea	1st Int:	10 3/4" 51.5#
State:	New Mexico	2nd Int:	7" 5/8" 29.7# S95
Section:	30		
Township:	24S		
Range:	32E		
Section Ties:	1980' FNL & 1980' FEL		
Ground Level:	3535'		

Objectives

The primary objective of this reentry is to tie the 7 5/8" casing back to surface & cement the 7 5/8" x 10 ¾" annulas to surface.

Attachments

1) Wellbore schematics

Procedure

1) Dig out & reinstall wellhead.
2) MI&RU 600 series PU. Rack 12,750'+ 3 1/2" DP. Install BOP. Set frac tanks for storage water w/ fresh & brine.
3) RIH-Drill w/ 9 5/8" bit + bit sub + DC's to top of 7 5/8" stub @ 4700'. POH w/ bit.
4) RIH-Drill w/ 6 3/4" bit + bit sub + DC's to top of Lnr @ 12,622'. POH w/ bit.
5) RIH w/ mill & dress off 7 5/8" stub looking up.
6) PU a Bowen 7 5/8" lead bowl w/ cement ports & run 7 5/8" 29.7# S95 casing to surface. RU service company & cement w/ approx 500 sx "C" + additives.
7) RIH w/ 6 ¾" bit & scrapper to PBTD. Test casing to 7500psi. POH
8) RU wireline & Run GR/CCL/CNL from TD back to 4500'. PU & run gyro. RD wireline.
9) Set cased hole oriented whipstock at +/- 11,200.
10) Cut window in casing w/ 9# brine. Leave 3 ½" swinging. RD PU.
11) RU drilling rig & stand back 3 ½" DP. PU curve building BHA & land approx. 11,650' TVD.
12) Drill out lateral w/ 6 1/8" hole per plan.
13) Run 4 ½" 13# P110 from total MD back to +/- 10,500' (centralize the curve only) on liner hanger. Cement w/ 20% volume above fluid caliper.
14) RD Drilling rig. Move in completion tools.

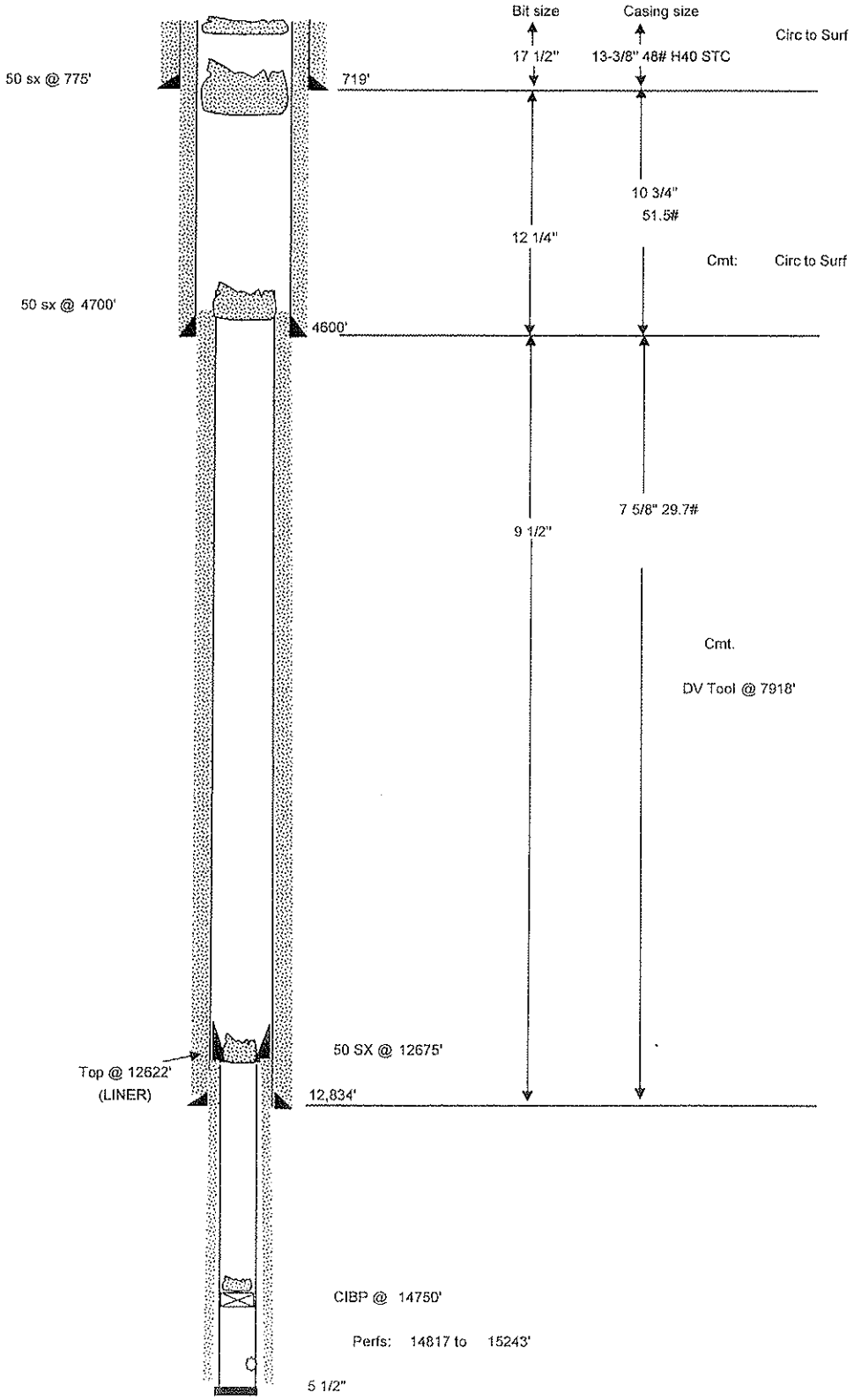
OGX Resources LLC

PADUCA FED No.1
sur:1980'FNL & 1980'FEL
bhl: 330' FSL & 1980'FEL
Sec. 30, T24S, R32E
Lea County, New Mexico

CURRENT WELLBORE

Spud 02/27/79

API: 30-025-26234



7/21/2009

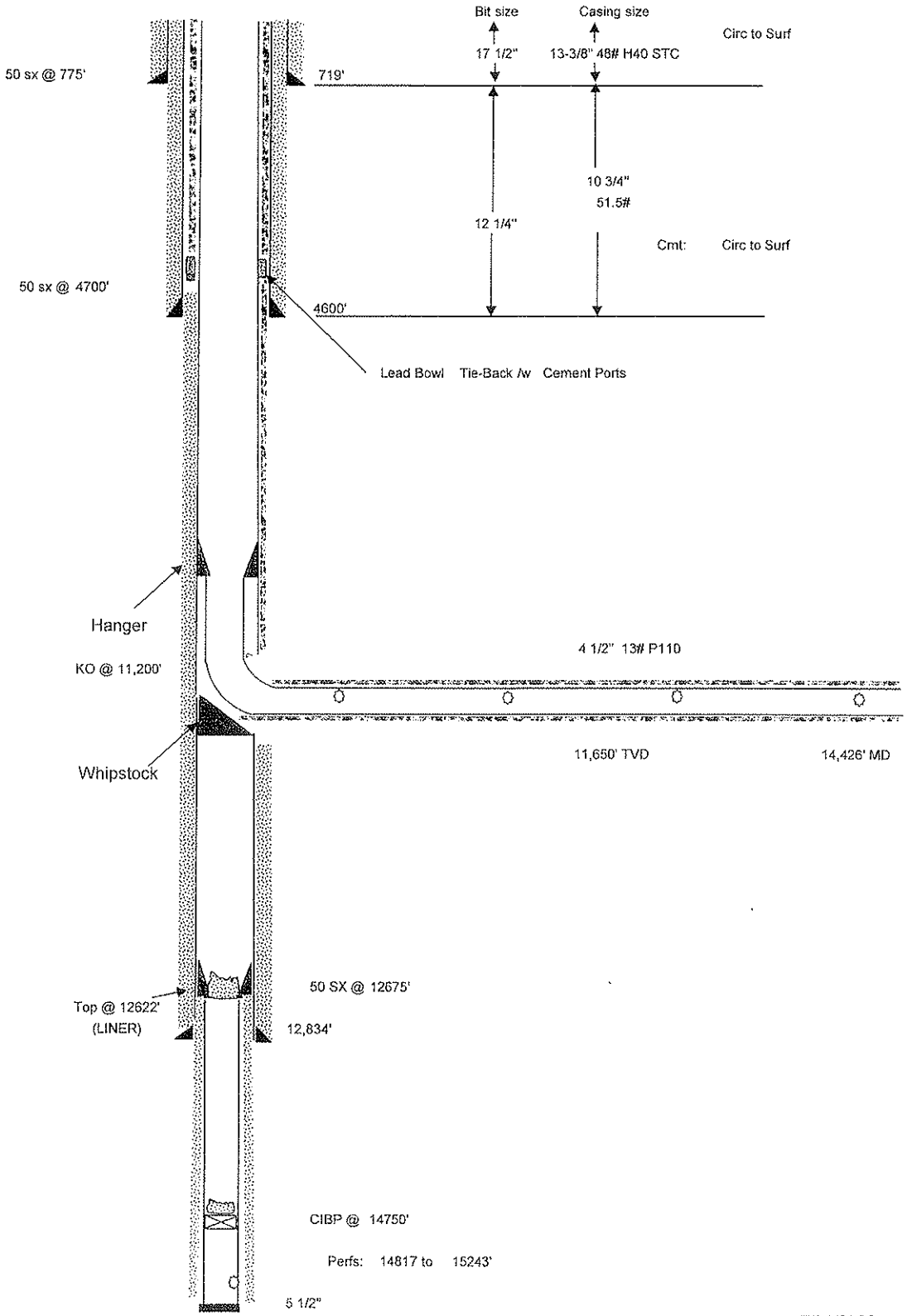
OGXResources LLC

PADUCA FED No.1
sur:1980'FNL & 1980'FEL
bhl: 330' FSL & 1980'FEL
Sec. 30, T24S, R32E
Lea County, New Mexico

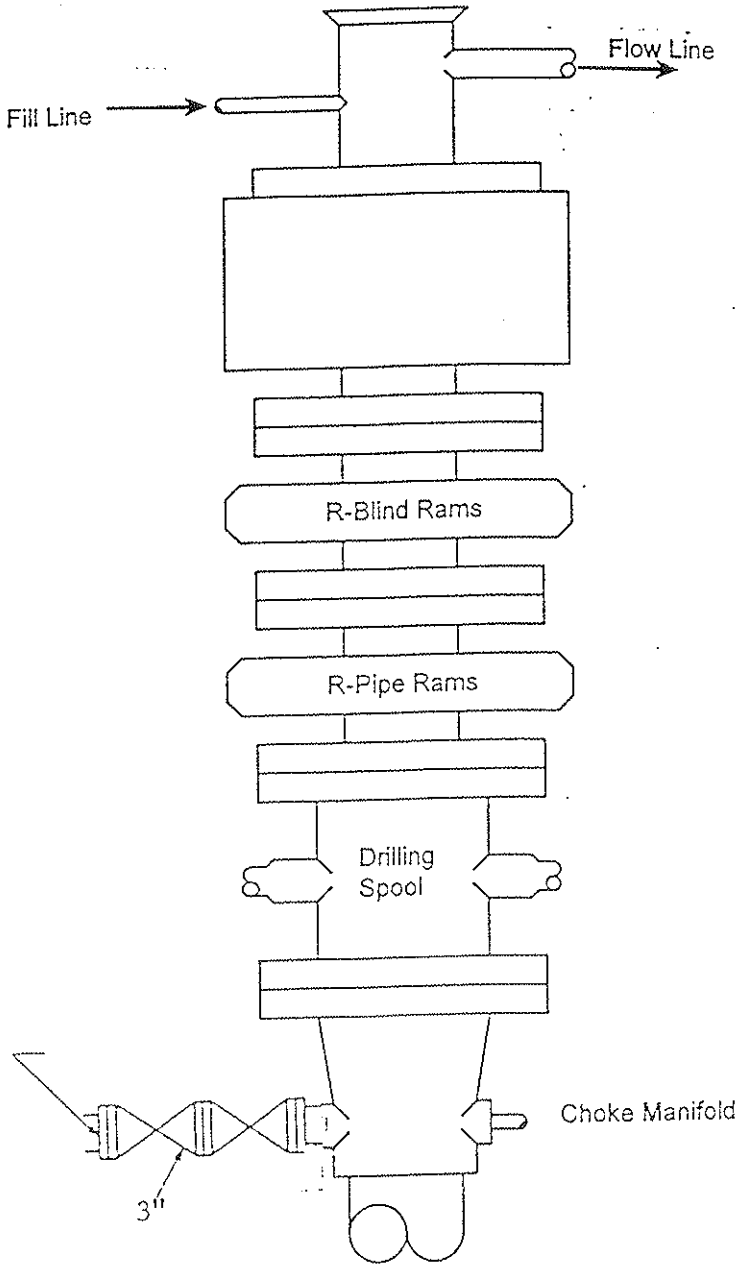
PROPOSED WELLBORE

Spud 02/27/79

API: 30-025-26234



7/21/2009



Type 1500 SERIES
5000 psi WP

EXHIBIT "E"
SKETCH OF B.O.P. TO BE USED ON

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

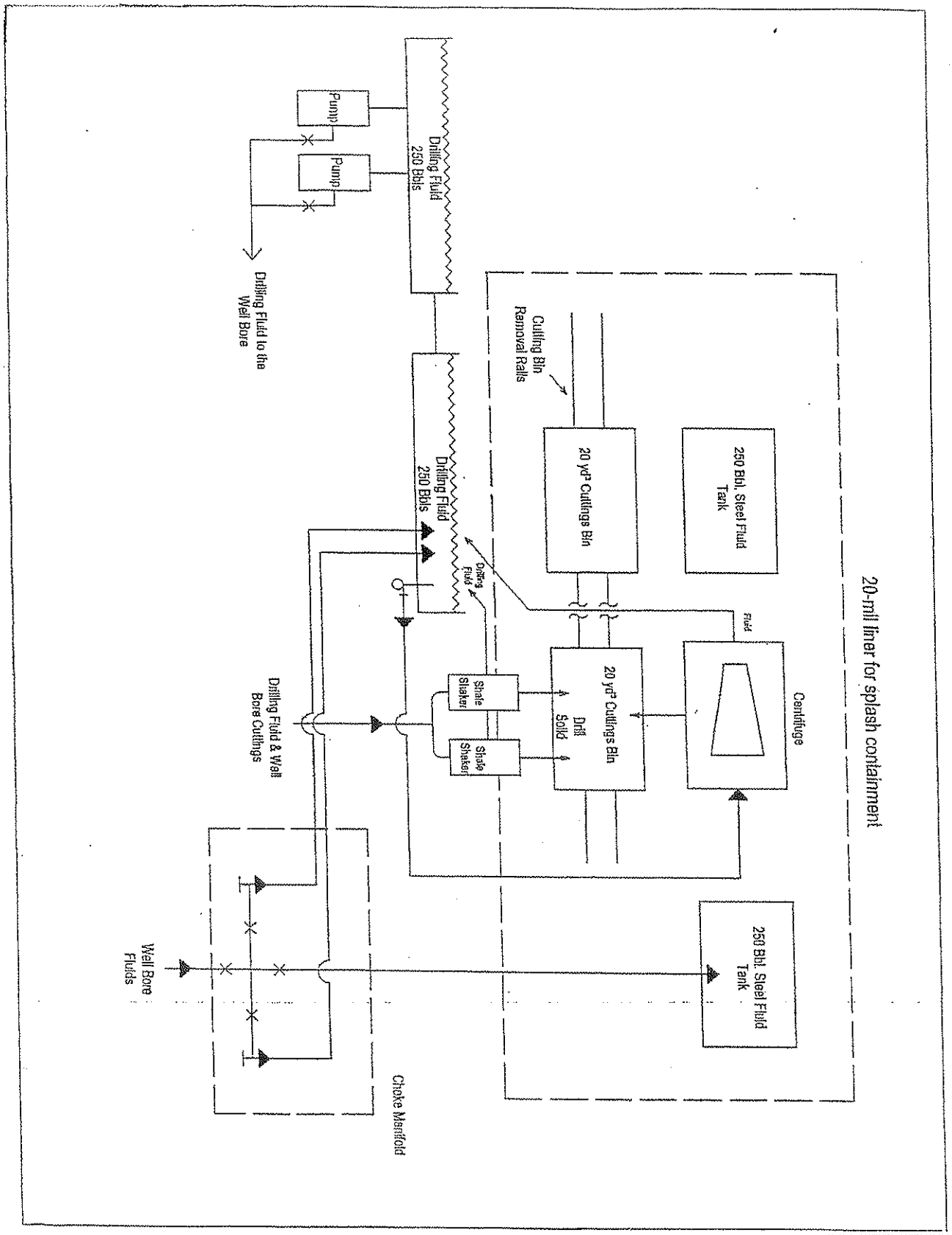


EXHIBIT "D"
RIG LAY OUT PLAT

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

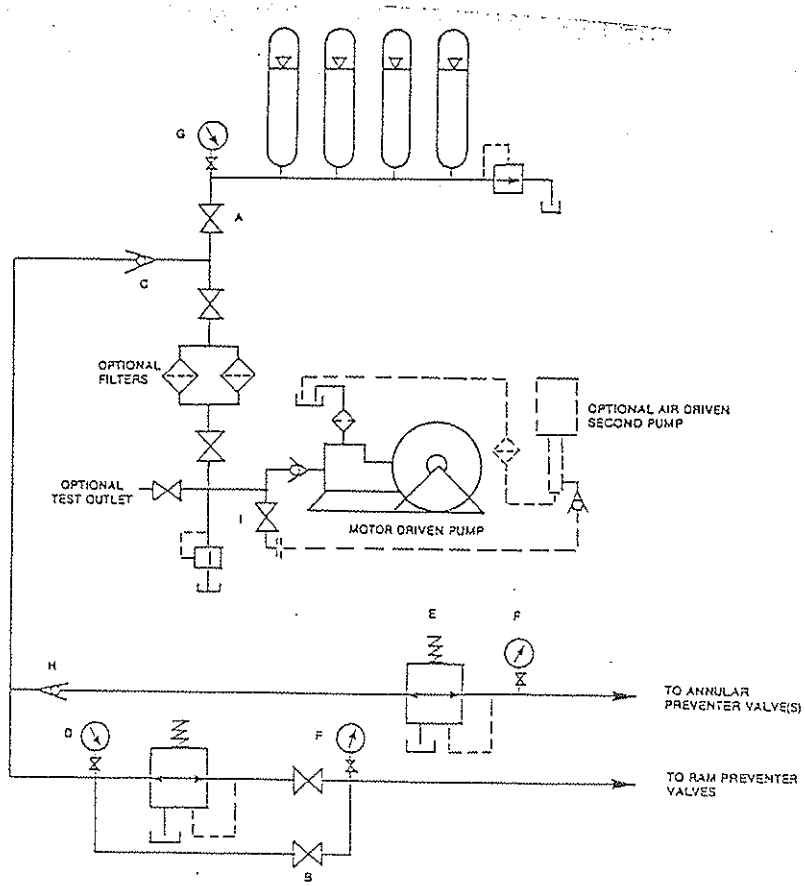


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

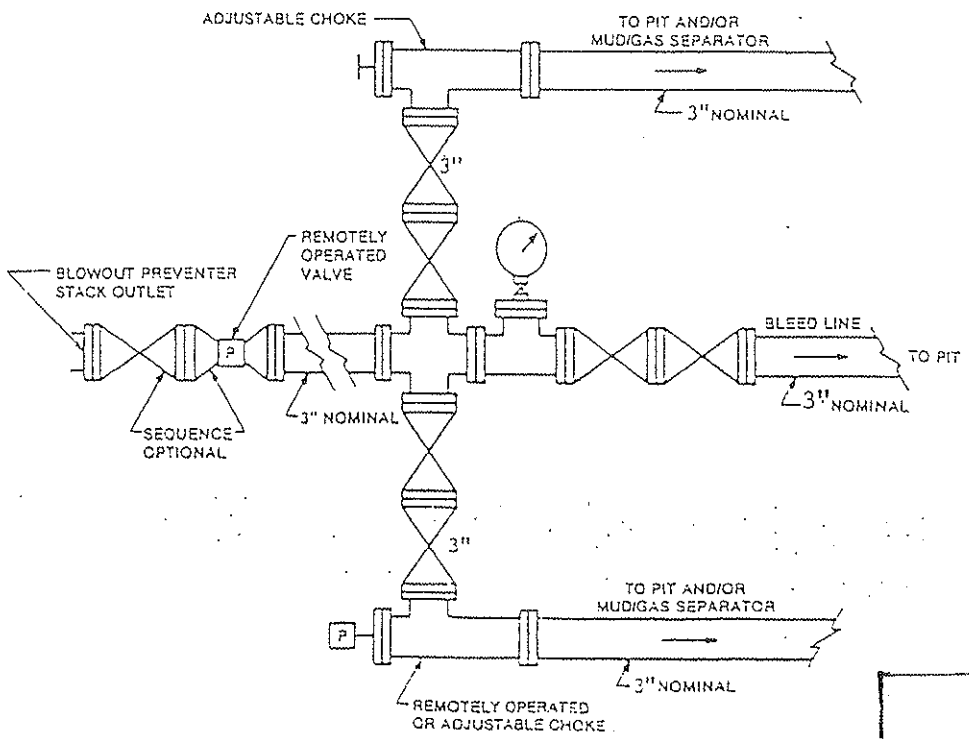


FIGURE K4-2. Typical choke manifold assembly for 5M rated working pressure service — surface installation.

EXHIBIT "E-1"
CHOKE MANIFOLD & CLOSING UNIT

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

OGX

Project: Lea County
Site: Paduca Federal
Well: #1H
Wellbore: OH
Plan: Plan #1 (#1H/OH)

Azimuths to Grid North
True North: 0.82°
Magnetic North: 9.52°

Magnetic Field
Strength: 47826.8snT
Dip Angle: 58.64°
Date: 07/15/2009
Model: IGRF200510

PATHFINDER

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

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL(P#1)	11650.00	-2970.00	0.00	-2970.000	0.000	Point

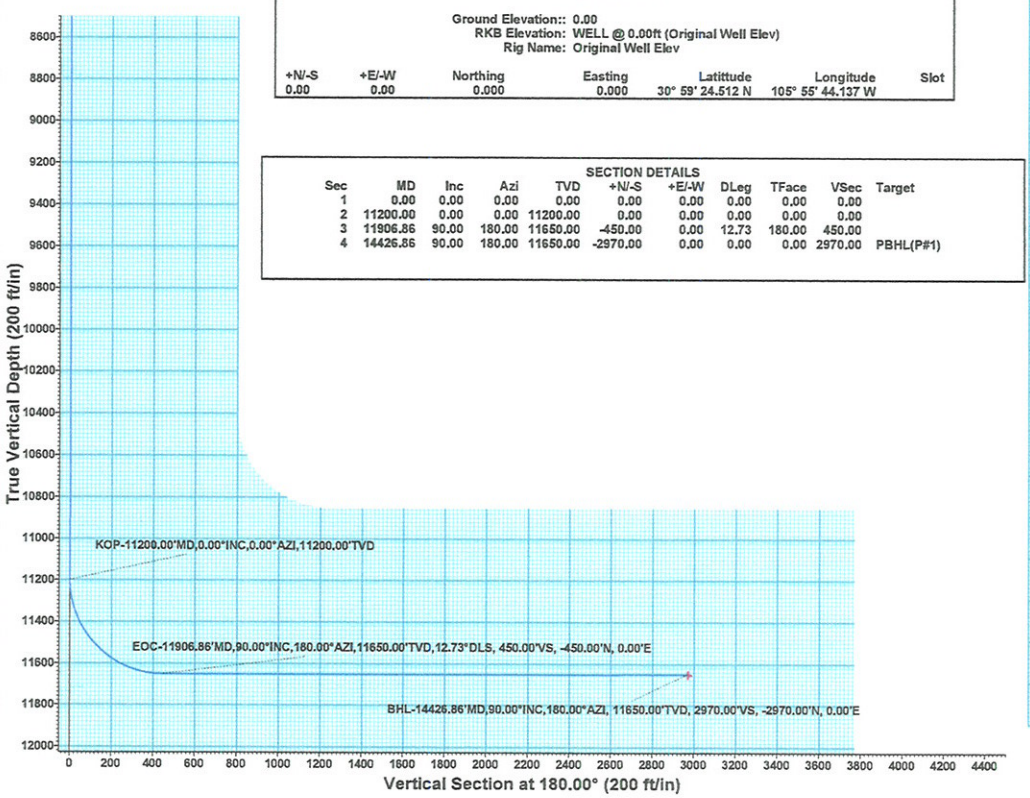
WELL DETAILS: #1H

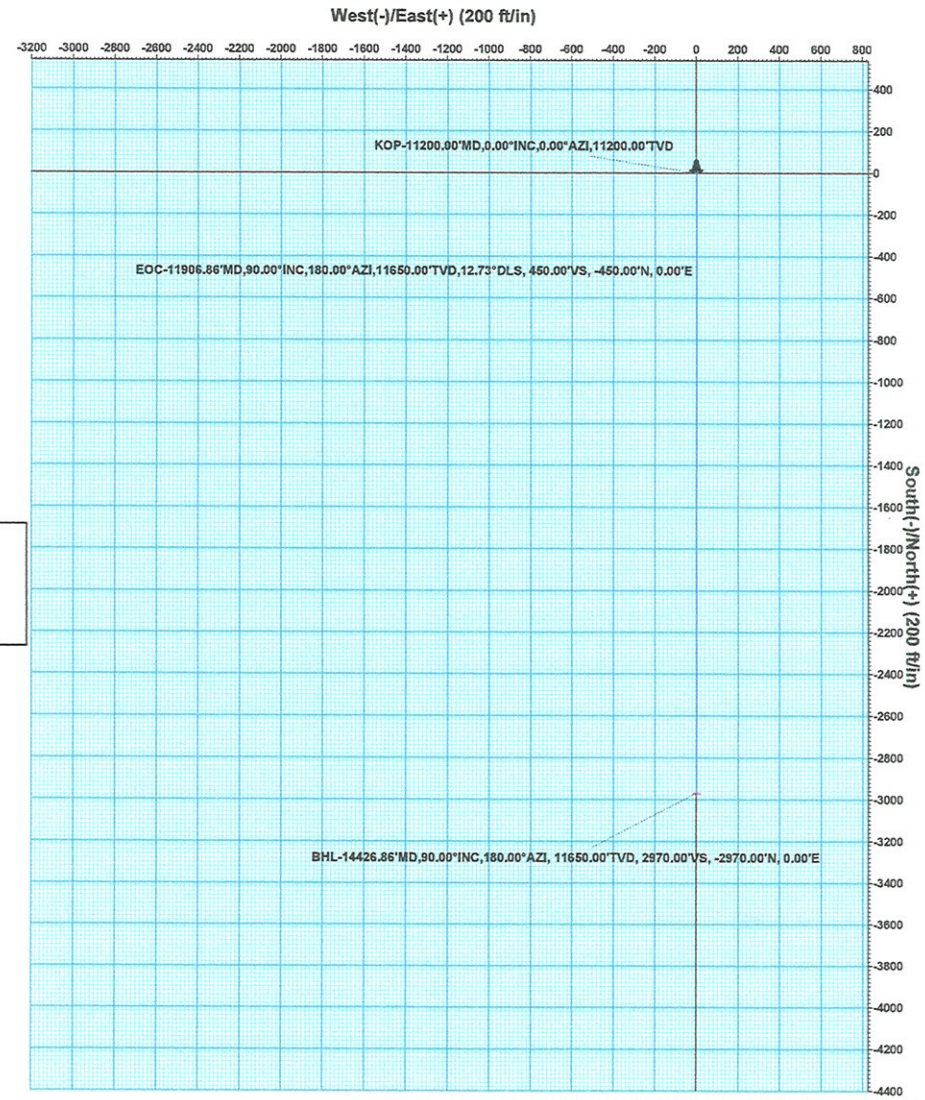
Ground Elevation:: 0.00
RKB Elevation: WELL @ 0.00ft (Original Well Elev)
Rig Name: Original Well Elev

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	0.000	0.000	30° 59' 24.512 N	105° 55' 44.137 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	11200.00	0.00	0.00	11200.00	0.00	0.00	0.00	0.00	0.00	
3	11906.86	90.00	180.00	11650.00	-450.00	0.00	12.73	180.00	450.00	
4	14426.86	90.00	180.00	11650.00	-2970.00	0.00	0.00	0.00	2970.00	PBHL(P#1)





Plan: Plan #1 (#1H/OH)
Created By: Nate Bingham Date: 10:34, July 15 2009
Checked: _____ Date: _____

OGX

OGX Resources

Lea County
Paduca Federal
#1H
OH

Plan: Plan #1

Pathfinder X & Y Planning Report

15 July, 2009

PATHFINDER

Company:	OGX Resources	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County	**TVD Reference:**	WELL @ 0.00ft (Original Well Elev)
Site:	Paduca Federal	**MD Reference:**	WELL @ 0.00ft (Original Well Elev)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

Project Lea County

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Paduca Federal

Site Position:		**Northing:**	ft	**Latitude:**	
From:	None	**Easting:**	ft	**Longitude:**	
Position Uncertainty:	0.00 ft	**Slot Radius:**	"	**Grid Convergence:**	0.00 °

Well #1H

Well Position	**+N/-S**	0.00 ft	**Northing:**	0.000 ft	**Latitude:**	30° 59' 24.512 N
	+E/-W	0.00 ft	**Easting:**	0.000 ft	**Longitude:**	105° 55' 44.137 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	0.00 ft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	07/15/2009	8.70	58.64	47,827

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	180.00

Survey Tool Program **Date** 07/15/2009

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.00	14,426.86	Plan #1 (OH)	MWD	MWD - Standard

Company:	OGX Resources	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County	**TVD Reference:**	WELL @ 0.00ft (Original Well Elev)
Site:	Paduca Federal	**MD Reference:**	WELL @ 0.00ft (Original Well Elev)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00

Company:	OGX Resources	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County	**TVD Reference:**	WELL @ 0.00ft (Original Well Elev)
Site:	Paduca Federal	**MD Reference:**	WELL @ 0.00ft (Original Well Elev)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

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)
2,700.00	0.00	0.00	2,700.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

Company:	OGX Resources	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County	**TVD Reference:**	WELL @ 0.00ft (Original Well Elev)
Site:	Paduca Federal	**MD Reference:**	WELL @ 0.00ft (Original Well Elev)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

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)
5,400.00	0.00	0.00	5,400.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00

Company:	OGX Resources	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County	**TVD Reference:**	WELL @ 0.00ft (Original Well Elev)
Site:	Paduca Federal	**MD Reference:**	WELL @ 0.00ft (Original Well Elev)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

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)
8,100.00	0.00	0.00	8,100.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00
8,700.00	0.00	0.00	8,700.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00
10,700.00	0.00	0.00	10,700.00	10,700.00	0.00	0.00	0.00	0.00	0.00	0.00

Company:	OGX Resources	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County	**TVD Reference:**	WELL @ 0.00ft (Original Well Elev)
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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)
10,800.00	0.00	0.00	10,800.00	10,800.00	0.00	0.00	0.00	0.00	0.00	0.00
10,900.00	0.00	0.00	10,900.00	10,900.00	0.00	0.00	0.00	0.00	0.00	0.00
11,000.00	0.00	0.00	11,000.00	11,000.00	0.00	0.00	0.00	0.00	0.00	0.00
11,100.00	0.00	0.00	11,100.00	11,100.00	0.00	0.00	0.00	0.00	0.00	0.00
11,200.00	0.00	0.00	11,200.00	11,200.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP-11200.00'MD,0.00°INC,0.00°AZI,11200.00'TVD										
11,225.00	3.18	180.00	11,224.99	11,224.99	-0.69	0.00	0.69	12.73	-0.69	0.00
11,250.00	6.37	180.00	11,249.90	11,249.90	-2.77	0.00	2.77	12.73	-2.77	0.00
11,275.00	9.55	180.00	11,274.65	11,274.65	-6.24	0.00	6.24	12.73	-6.24	0.00
11,300.00	12.73	180.00	11,299.18	11,299.18	-11.07	0.00	11.07	12.73	-11.07	0.00
11,325.00	15.92	180.00	11,323.40	11,323.40	-17.25	0.00	17.25	12.73	-17.25	0.00
11,350.00	19.10	180.00	11,347.24	11,347.24	-24.77	0.00	24.77	12.73	-24.77	0.00
11,375.00	22.28	180.00	11,370.62	11,370.62	-33.60	0.00	33.60	12.73	-33.60	0.00
11,400.00	25.46	180.00	11,393.48	11,393.48	-43.72	0.00	43.72	12.73	-43.72	0.00
11,425.00	28.65	180.00	11,415.74	11,415.74	-55.09	0.00	55.09	12.73	-55.09	0.00
11,450.00	31.83	180.00	11,437.34	11,437.34	-67.68	0.00	67.68	12.73	-67.68	0.00
11,475.00	35.01	180.00	11,458.20	11,458.20	-81.45	0.00	81.45	12.73	-81.45	0.00
11,500.00	38.20	180.00	11,478.27	11,478.27	-96.35	0.00	96.35	12.73	-96.35	0.00
11,525.00	41.38	180.00	11,497.47	11,497.47	-112.35	0.00	112.35	12.73	-112.35	0.00
11,550.00	44.56	180.00	11,515.76	11,515.76	-129.39	0.00	129.39	12.73	-129.39	0.00
11,575.00	47.75	180.00	11,533.08	11,533.08	-147.41	0.00	147.41	12.73	-147.41	0.00
11,600.00	50.93	180.00	11,549.37	11,549.37	-166.38	0.00	166.38	12.73	-166.38	0.00
11,625.00	54.11	180.00	11,564.58	11,564.58	-186.21	0.00	186.21	12.73	-186.21	0.00
11,650.00	57.30	180.00	11,578.66	11,578.66	-206.86	0.00	206.86	12.73	-206.86	0.00
11,675.00	60.48	180.00	11,591.58	11,591.58	-228.27	0.00	228.27	12.73	-228.27	0.00
11,700.00	63.66	180.00	11,603.29	11,603.29	-250.35	0.00	250.35	12.73	-250.35	0.00
11,725.00	66.85	180.00	11,613.75	11,613.75	-273.05	0.00	273.05	12.73	-273.05	0.00

Company:	OGX Resources	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County	**TVD Reference:**	WELL @ 0.00ft (Original Well Elev)
Site:	Paduca Federal	**MD Reference:**	WELL @ 0.00ft (Original Well Elev)
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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)
11,750.00	70.03	180.00	11,622.94	11,622.94	-296.30	0.00	296.30	12.73	-296.30	0.00
11,775.00	73.21	180.00	11,630.82	11,630.82	-320.02	0.00	320.02	12.73	-320.02	0.00
11,800.00	76.39	180.00	11,637.37	11,637.37	-344.14	0.00	344.14	12.73	-344.14	0.00
11,825.00	79.58	180.00	11,642.58	11,642.58	-368.59	0.00	368.59	12.73	-368.59	0.00
11,850.00	82.76	180.00	11,646.41	11,646.41	-393.29	0.00	393.29	12.73	-393.29	0.00
11,875.00	85.94	180.00	11,648.87	11,648.87	-418.17	0.00	418.17	12.73	-418.17	0.00
11,900.00	89.13	180.00	11,649.95	11,649.95	-443.14	0.00	443.14	12.73	-443.14	0.00
11,906.86	90.00	180.00	11,650.00	11,650.00	-450.00	0.00	450.00	12.73	-450.00	0.00
EOC-11906.86'MD,90.00°INC,180.00°AZI,11650.00'TVD,12.73°DLS, 450.00'VS, -450.00'N, 0.00'E										
12,000.00	90.00	180.00	11,650.00	11,650.00	-543.14	0.00	543.14	0.00	-543.14	0.00
12,100.00	90.00	180.00	11,650.00	11,650.00	-643.14	0.00	643.14	0.00	-643.14	0.00
12,200.00	90.00	180.00	11,650.00	11,650.00	-743.14	0.00	743.14	0.00	-743.14	0.00
12,300.00	90.00	180.00	11,650.00	11,650.00	-843.14	0.00	843.14	0.00	-843.14	0.00
12,400.00	90.00	180.00	11,650.00	11,650.00	-943.14	0.00	943.14	0.00	-943.14	0.00
12,500.00	90.00	180.00	11,650.00	11,650.00	-1,043.14	0.00	1,043.14	0.00	-1,043.14	0.00
12,600.00	90.00	180.00	11,650.00	11,650.00	-1,143.14	0.00	1,143.14	0.00	-1,143.14	0.00
12,700.00	90.00	180.00	11,650.00	11,650.00	-1,243.14	0.00	1,243.14	0.00	-1,243.14	0.00
12,800.00	90.00	180.00	11,650.00	11,650.00	-1,343.14	0.00	1,343.14	0.00	-1,343.14	0.00
12,900.00	90.00	180.00	11,650.00	11,650.00	-1,443.14	0.00	1,443.14	0.00	-1,443.14	0.00
13,000.00	90.00	180.00	11,650.00	11,650.00	-1,543.14	0.00	1,543.14	0.00	-1,543.14	0.00
13,100.00	90.00	180.00	11,650.00	11,650.00	-1,643.14	0.00	1,643.14	0.00	-1,643.14	0.00
13,200.00	90.00	180.00	11,650.00	11,650.00	-1,743.14	0.00	1,743.14	0.00	-1,743.14	0.00
13,300.00	90.00	180.00	11,650.00	11,650.00	-1,843.14	0.00	1,843.14	0.00	-1,843.14	0.00
13,400.00	90.00	180.00	11,650.00	11,650.00	-1,943.14	0.00	1,943.14	0.00	-1,943.14	0.00
13,500.00	90.00	180.00	11,650.00	11,650.00	-2,043.14	0.00	2,043.14	0.00	-2,043.14	0.00
13,600.00	90.00	180.00	11,650.00	11,650.00	-2,143.14	0.00	2,143.14	0.00	-2,143.14	0.00
13,700.00	90.00	180.00	11,650.00	11,650.00	-2,243.14	0.00	2,243.14	0.00	-2,243.14	0.00

Company:	OGX Resources	**Local Co-ordinate Reference:**	Well #1H
Project:	Lea County	**TVD Reference:**	WELL @ 0.00ft (Original Well Elev)
Site:	Paduca Federal	**MD Reference:**	WELL @ 0.00ft (Original Well Elev)
Well:	#1H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #1	**Database:**	Midland Database

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)
13,800.00	90.00	180.00	11,650.00	11,650.00	-2,343.14	0.00	2,343.14	0.00	-2,343.14	0.00
13,900.00	90.00	180.00	11,650.00	11,650.00	-2,443.14	0.00	2,443.14	0.00	-2,443.14	0.00
14,000.00	90.00	180.00	11,650.00	11,650.00	-2,543.14	0.00	2,543.14	0.00	-2,543.14	0.00
14,100.00	90.00	180.00	11,650.00	11,650.00	-2,643.14	0.00	2,643.14	0.00	-2,643.14	0.00
14,200.00	90.00	180.00	11,650.00	11,650.00	-2,743.14	0.00	2,743.14	0.00	-2,743.14	0.00
14,300.00	90.00	180.00	11,650.00	11,650.00	-2,843.14	0.00	2,843.14	0.00	-2,843.14	0.00
14,400.00	90.00	180.00	11,650.00	11,650.00	-2,943.14	0.00	2,943.14	0.00	-2,943.14	0.00
14,426.86	90.00	180.00	11,650.00	11,650.00	-2,970.00	0.00	2,970.00	0.00	-2,970.00	0.00

BHL-14426.86'MD,90.00°INC,180.00°AZI, 11650.00'TVD, 2970.00'VS, -2970.00'N, 0.00'E - PBHL(P#1)

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL(P#1) - plan hits target - Point	0.00	360.00	11,650.00	-2,970.00	0.00	-2,970.000	0.000	30° 58' 55.125 N	105° 55' 43.648 W

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
11,200.00	11,200.00	0.00	0.00	KOP-11200.00'MD,0.00°INC,0.00°AZI,11200.00'TVD
11,906.86	11,650.00	-450.00	0.00	EOC-11906.86'MD,90.00°INC,180.00°AZI,11650.00'TVD,12.73°DLS, 4
14,426.86	11,650.00	-2,970.00	0.00	BHL-14426.86'MD,90.00°INC,180.00°AZI, 11650.00'TVD, 2970.00'VS,

Checked By: _____ Approved By: _____ Date: _____

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN
FOR DRILLING/WORKOVER/FACILITY

This well and its anticipated facility are not expected to have Hydrogen Sulfide releases. However, there may be Hydrogen Sulfide production in the nearby area. There are no Private residences in the area but a contingency plan has been orchestrated. OGX RESOURCES, LLC. Will have a company representative available to rig personnel throughout drilling or production operations. If Hydrogen Sulfide is detected or suspected, monitoring equipment will be acquired for monitoring and/or testing.

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN
FOR DRILLING/WORKOVER/FACILITY

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OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN FOR DRILLING/WORKOVER/FACILITY

General H2S Emergency Actions:

1. All personnel will immediately evacuate to an up-wind and if possible up-hill "safe area".
2. If for any reason a person must enter the hazardous area, they must wear a SCBA (Self Contained Breathing Apparatus).
3. Always use the "buddy system"
4. Isolate the well/problem if possible
5. Account for all personnel
6. Display the proper colors warning all unsuspecting personnel of the danger at hand.
7. Contact the Company personnel as soon as possible if not at the location (use the enclosed call list as instructed)

At this point the company representative will evaluate the situation and coordinate the necessary duties to bring the situation under control, and if necessary, the notification of the emergency response agencies and nearby residents.

EMERGENCY PROCEDURES FOR AN UNCONTROLLABLE RELEASE OF H2S

1. All personnel will don the self contained breathing apparatus
2. Remove all personnel to the "safe area" (always use the buddy system)
3. Contact company personnel if not on location]
4. Set in motion the steps to protect and or remove the general public to and upwind "safe area" Maintain strict security & safety procedures while dealing with the source.
5. No entry to any unauthorized personnel
6. Notify the appropriate agencies: City Police – City Street(s)
   State Police – State Rd.
   County Sheriff – County Rd.
7. Call the NMOCD

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN FOR DRILLING/WORKOVER/FACILITY

If at this time the supervising person determines the release of H2S cannot be contained to the site location and the general public is in harms way he will take the necessary steps to protect the workers and the public.

EMERGENCY CALL LIST: (Start and continue until ONE of these people has been contacted)

	OFFICE	MOBILE	HOME
Jeff Birkelbach	432-685-1287	432-694-7880	432-553-0391
Donny Leek		432-634-4862	432-399-4489
JW Drilling Co	575-748-8704	575-513-2415 575-513-0321	

State Police State Police	Eddy County Lea County		575 -748-9718 575-392-5588
Sheriff Sheriff	Eddy County Lea County		575-746-2701
Emergency Medical Service (Ambulance)	Eddy County Lea County	Eunice	911 or 575-746-2701 911 or 575-394-3258
Emergency Response	Eddy County SERC Lea County		575-476-9620
Artesia Police Dept Artesia Fire Dept			575-746-5001 575-746-5001
Carlsbad Police Dept Carlsbad Fire Dept			575-885-2111 575-885-3125

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN
FOR DRILLING/WORKOVER/FACILITY

EMERGENCY CALL LIST (CONT.)

Loco Hills Police Dept		575--677-2349
Jal Police Dept		575--395-2501
Jal Fire Dept		575--395-2221
Jal Ambulance		575--395-2221
Eunice Police Dept		575--394-0112
Eunice Fire Dept		575--394-3258
Eunice Ambulance		575--394-3258
Hobbs Police Dept		575--397-3365
Hobbs Fire Dept		575--397-9308
NMOCD	District 1 (Lea, Roosevelt, Curry)	575--393-6161
	District 2 (Eddy, Chavez)	575--748-1283
Lea County Information		575--393-8203
Callaway Safety	Eddy/Lea Counties	575--392-2973
BJ Services	Artesia	575--746-3140
	Hobbs	575--392-5556
Halliburton	Artesia	1-800-523-2482
	Hobbs	1-800-523-2482
Wild Well Control	Midland	432-550-6202
	Mobile	432-553-1166

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN FOR DRILLING/WORKOVER/FACILITY

PROTECTION OF THE GENERAL PUBLIC (ROE)

- 100 ppm at any public area (any place not associated with this site)
- 500 ppm at any public road (any road with the general public may travel)
- 100 ppm radius of ¼ mile in New Mexico will be assumed if there is insufficient data to do the calculations, and there is a reasonable expectation that H2S could be present in concentrations greater than 100 ppm in the gas mixture

CALCULATIONS FOR THE 100 PPM (ROE) "PASQUILL-GIFFORD EQUATION"

X = [(1.589) (mole fraction) (Q-volume in std cu ft)] to the power of (0.6258)

CALCULATION FOR THE 500 PPM ROE:

X = [(.4546) (mole fraction) (Q – volume in std cu ft)] to the power of (0.6258)

Example:

If a well/facility has been determined to have 150 / 500 ppm H2S in the gas mixture and the well/facility is producing at a gas rate of 100 MCFPD then:

150 ppm X = [(1.589) (.00015) (100,000 cfd)] to the power of (.6258)
X = 7 ft.

500 ppm X = [(.4546) (.0005) (100,000 cfd)] to the power of (.6258)
X = 3.3 ft.

(These calculations will be forwarded to the appropriate District NMOCD office when Applicable)

PUBLIC EVACUATION PLAN:

- Notification of the emergency response agencies of the hazardous condition and implement evacuation procedures.
- A trained person in H2S safety shall monitor with detection equipment the H2S concentration, wind and area exposure (ROE). This person will determine the outer perimeter of the hazardous area. The extent of the evacuation area will be determined from the data being collected. Monitoring shall continue until the situation has been resolved. **(All monitoring equipment shall be UL approved, for use in class 1 groups A, B, C & D, Division 1, hazardous locations. All monitor will have a minimum capability of measuring H2S, oxygen and flammable values.)**

- Law enforcement shall be notified to set up necessary barriers and maintain such for the duration of the situation as well as aid in the evacuation procedure.

- The company supervising personnel shall stay in communication with all agencies through out the duration of the situation and inform such agencies when the situation has been contained and the effected area(s) is safe to enter.

PROCEDURE FOR IGNITING AN UNCONTROLABLE CONDITION:

1. Human life and/or property are in danger.

2. There is no hope of bringing the situation under control with the prevailing conditions at the site.

INSTRUCTION FOR IGNITION:

1. Two people are required. They must be equipped with positive pressure, self contained breathing apparatus and a "D" ring style full body, OSHA approved safety harness. Non flammable rope will be attached.

2. One of the people will be qualified safety person who will test the atmosphere for H2S, oxygen and LFL. The other person will be the company supervisor; he is responsible for igniting the well.

3. Ignite up wind from a distance no closer than necessary. Make sure that where you ignite from has the maximum escape avenue available. A 25 mm flare gun shall be used, with a ± 500 ft. range to ignite the gas.

4. Prior to ignition, make a final check with combustible gases.

5. Following ignition, continue with the emergency actions & procedures as before.

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN FOR DRILLING/WORKOVER/FACILITY

REQUIRED EMERGENCY EQUIPMENT:

1. **Breathing apparatus:**
   - Rescue packs (SCBA) – 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
   - Work/Escape packs – 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity
   - Emergency Escape Packs – 4 packs shall be stored in the doghouse for emergency evacuation.

2. **Signage & Flagging:**
   - One color code condition sign will be placed at the entrance to the site reflection the possible conditions at the site.
   - A colored conditioned flag will be on display, reflecting the condition at the site at the time.

3. **Briefing Area:**
   - Two perpendicular areas will be designated by signs and readily accessible.

4. **Wind Socks:**
   - Two windsocks will be placed in strategic locations, visible from all angles.

5. **H2S Detectors & Alarms:**
   - The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible at 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: (Gas sample tubes will be stored in the safety trailer)
     - Rig Floor
     - Bell Nipple
     - End of flow line or where well bore fluid are being discharged.

6. **Auxiliary Rescue Equipment:**
   - Stretcher
   - Two OSHA full body harness
   - 100 ft. 5/8 inch OSHA approved rope.
   - 1 – 20# class ABC fire extinguisher
   - Communication via cell phones on location and vehicles on location.

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN FOR DRILLING/WORKOVER/FACILITY

USING SELF CONTAINED BREATHING AIR EQUIPMENT (SCBA):

- (SCBA) SHOULD BE WORN WHEN ANY OF THE FOLLOWING ARE PERFORMED:
    - Working near the top or on the top of a tank
    - Disconnecting any line where H2S can reasonably be expected
    - Sampling air in the area to determine if toxic concentration of H2S can exist.
    - Working in areas where over 10 ppm on H2S has been detected.
    - At any time there is a doubt as the level of H2S in the area.
- All personnel shall be trained in the use of SCBA prior to working in a potentially hazardous location.
- Facial hair and standard eyeglasses are not allowed with SCBA.
- Contact lenses are never allowed with SCBA.
- Air quality shall be continuously checked during the entire operation.
- After each use, the SCBA unit shall be cleaned, disinfected, serviced and inspected.
- All SCBA shall be inspected monthly.

RESCUE AND FIRST AID FOR VICTIMS OF HYDROGEN SULFIDE (H2S) POISONING:

- Do not panic
- Remain calm and think
- Get on the breathing apparatus

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN FOR DRILLING/WORKOVER/FACILITY

- Remove the victim to the safe breathing area as quickly as possible. Up wind and uphill from source or cross wind to achieve upwind.
- Notify emergency response personnel.
- Provide artificial respiration and or CPR, as necessary.
- Remove all contaminated clothing to avoid further exposure.
- A minimum of two personnel on location shall be trained in CPR and First Aid.

OGX RESOURCES, LLC.

HYDROGEN SULFIDE CONTINGENCY PLAN FOR DRILLING/WORKOVER/FACILITY

H2S is extremely toxic. The acceptable ceiling for eight hours of exposure is 10 ppm, which is .001% by volume. H2S is approximately 20% heavier than air (Sp. Gr = 1.19) (Air = 1) and colorless. It forms an explosive mixture with air between 4.3% and 46%. By volume hydrogen sulfide is almost as toxic as hydrogen cyanide and is 5-6 times more toxic than carbon monoxide.

COMMON NAME	CHEMICAL ABBREV.	SPECIFIC GRVTY.	THRESHOLD LIMITS	HAZARDOUS LIMITS	LETHAL CONCENTRATIONS
Hydrogen Sulfide	H2S	1.19	10 ppm 15 ppm	100 ppm/hr	600ppm
Hydrogen Cyanide	HCN	0.94	10 ppm	150 ppm/hr	300 ppm
Sulfur Dioxide	SO2	2.21	2 ppm	N/A	1000 ppm
Chlorine	CL2	2.45	1 ppm	4 ppm/hr	1000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm/hr	1000 ppm
Carbon Dioxide	CO2	1.52	5000 ppm	5%	10%
Methane	CH4	0.55	90,000	Combustible @ 5%	N/A

Threshold Limit: Concentrations at which it is believed that all workers may be repeatedly exposed, day after day without adverse effects.

Hazardous Limit: Concentrations that may cause death.

Concentrations: Concentrations that will cause death with short term exposure.

Threshold Limit: (10 ppm) NIOSH guide to chemical hazards

PHYSICAL EFFECTS OF HYDROGEN SULFIDE:

CONCENTRATION		*PHYSICAL EFFECTS*
.001%	10 ppm	Obvious and unpleasant odor. Safe for 8 hr. exposure
.005%	50 ppm	Can cause some flu like symptoms and can cause pneumonia.
.01%	100 ppm	Kills the sense of smell in 3-15 minutes. May irritate the eyes and throat.
.02%	200 ppm	Kills the sense of smell rapidly. Severely irritates the eyes and throat. Severe flu-like symptoms after 4 or more hours. May cause lung damage and or death.
.06%	600 ppm	Loss of consciousness quickly, death will result if not rescued promptly.

SURFACE USE PLAN

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

1. EXISTING AND PROPOSED ROADS:

A. Exhibit "B" is a reporduction of a County General Hi-way map showing existing roads. Exhibit "C" is a reproduction of a USGS topographic map showing existing roads and and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. All new roads will be constructed to BLM specifications.

B. Exhibit "A" shows the proposed well site as staked.

C. Directions to location: From Hobbs New Mexico take U. S. Hi-way 62-180 West 38± miles to CR-C29 turn Left (South) go 21.5 miles to State Hi-way 128 turn Left (East) go 1.9 miles to CR-786 (Buck JacksonRd.) turn Right(South) go .5 miles bear Left and follow lease road 2.9 miles, turn Left (East) go .5 miles to location on the North side of road.

D. Exhibit "C" shows a topographic map with roads to location. Production facilities will be constructed on the location.

2. PLANNED ACCESS ROADS: No new roads will be required.

A. The access roads will be crowned and sitched to a 14' wide travel surface, within a 30' R-O-W.

B. Gradient of all roads will be less than 5%.

C. Turn-outs will be constructed where necessary.

D. If require new access roads will be surface with a minimum of 4-6" of caliche. this material will be obtained from a local source.

E. Center line for new roads will be flagged, road construction will be done as field conditions require.

F. Culverts will be placed in the access road as drainage conditions require. Roads will be constructed to use low water crossings for drainage as required by the topographic conditions.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS: EXHIBIT "A-1"

A. Water wells - None known

B. Disposal wells - None known

C. Drilling wells - None known

D. Producing wells As shown on Exhibit 'a-1"

E. Abandoned wells - As shown on Exhibit "A-1"

4. If on completion this well is a producer the operator will lay pipelines and construct powerlines along existing road R-O-W's or other existing R-O-W's. Exhibit "C" shows proposed roads , flowlines and powerlines.

5. LOCATION & TYPE OF WATER SUPPLY:

Water will be purchased locally from a commercial source and trucked over the location access roads or piped to location in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIAL:

If possible construction material will be obtained from the excavation of the drill site, if additional material is required it will be obtained from a local source and transported over the location access roads as shown on Exhibit "C".

7. METHODS OF HANDLING WASTE:

A. All trash, junk and other waste material will be contained in trash cages or trash bins in order to prevent scattering. When the job is completed all contents will be removed and disposed of in an approved sanitary land fill.

B. Sewage from living quatersw will be drained into holding tanks and will be cleaned out periodically. A Porta-John will be provided for the rig crews. This equipment will be properly maintained during the drilling operations and removed upon completion of well.

C. Where a closed loop mud system is used to drill a well the drilling fluid that remains after the drilling and casing is run or the well is Plugged and abandoned will be removed from the location and in some cases may be used on another well or transported to a State approve disposal site. The drilling cuttings that result from drilling the well will likewise be transported to a State approved disposal site.

D. All water produced while completing this well and completion fluids will be treated in the same procedure as the drilling fluids.

E. Any remaining salts or mud additive that was not used will be removed by the supplier, this includes all broken sacks and containers.

8. ANCILLARY FACILITIES:

A. No camps or air strips will be constructed on this location.

SURFACE USE PLAN

OGX RESOURCES, LLC.
PADUCA "30" FEDERAL #1
UNIT "G" SECTION 30
T24S-R32E LEA CO. NM

9. WELL SITE LAYOUT:

A. Exhibit "D" shows the proposed well site layout.

B. This Exhibit shows the location of reserve pit, sump pits, and living facilities.

C. Mud pits in the active circulating system will be steel pits and the reserve pits will be unlined unless subsurface conditions encontered during pit construction indicate that a plastic liner is required to contain lateral migration.

D. If needed the reserve pits will be lined with polyethelene. The pit liner will be no less than 21 mils thick and the liner will be extended at least 3 feet over the top of the dikes and secured in place to keep edge of liner in place.

E. The reserve pit will be fenced on three sides and fenced with four strands of barbed wire during drilling and completionphases. The 4th side will be fenced after drilling operations are complete and the drilling rig has moved out.If the well is a producer the mud pits will remain fenced in until the mud has dried up enough to break out the pits and reclaimed according to BLM requirements.

10. PLANS FOR RESTORATION OF SURFACE:

Rehabilitation of the location and reserve pits will be allowed to dry properly, fluids may be moved and disposed of in accordance with article 7-E as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any will be reshaped to the original configuration with provisions made to alleviate furture erosion. In case of the well completed as a producer the drilling pad will be necessary to construct production facilities. After the area has been shaped and contoured top soil from the spoil pile will be placed over the disturbed area to the extent possible so that revegetation procedures can be accomplished to comply with the BLM specifications.

If the well is a dry hole the pad and road area will be contoured to match the existing terrain. Top soil will be spread to the extent possible and revegetation will be carried out according to the BLM specifications.

Should the well be a producer the previously noted procedures will apply to those areas which are not required for production facilities.

11. OTHER INFORMATION:

A. Topography conists of low sand dunes with a slight dip to the South. The deep sandy soil supports shinnery oak, native grasses, and mesquite.

B. The surface and the minerals are owned by The U. S. Department of Interior and is administered by The Bureau of Land Management, Carlsbad Field Office. The surface is used mainly for the grazing of live stock.

C. This location is was drilled and produced from the Morrow formation to depletion and well was plugged and abandoned.

D. There are no dwellings within 3 miles of the location.

E. Access to location will be over existing roads.

CERTIFICATION

I HEREBY CERTIFY THAT I OR PERSONS UNDER MY DIRECT SUPERVISION HAVE INSPECTED THE PROPOSED DRILL SITE AND THE ACCESS ROAD ROUTES, THAT I AM FAMILIAR WITH THE CONDITIONS THAT CURRENTLY EXIST, THAT THE STATEMENTS MADE IN THIS PLAN ARE TO THE BEST OF MY KNOWLEDGE ARE TRUE AND CORRECT, AND THAT THE WORK ASSOCIATED WITH THE OPERATIONS PROPOSED HEREIN WILL BE PERFORMED BY OGX RESOURCES, LLC. ITS CONTRACTORS AND/OR ITS SUB-CONTRACTORS AND IS IN CONFORMANCE WITH THIS PLANS AND TERMS AND THE CONDITIONS UNDER WHICH IT IS APPROVED. THIS STATEMENT IS SUBJECT TO THE PROVISIONS OF U.S.C. FOR FILING A FALSE REPORT.

OPERATOR'S REPRESENTATIVES:

BEFORE CONSTRUCTION

TIERRA EXPLORATION, INC
P. O. BOX 2188
HOBBS, NEW MEXICO 88241
JOE JANICA 575-391-8503
CELL 575-390-1598

DURING & AFTER CONSTRUCTION

OGX RESOURCES, LLC.
P. O. BOX 2064
MIDLAND, TEXAS 79701
JEFF BIRKELBACH 432-685-1287
CELL 432-553-0391

NAME Joe T. Janica

TITLE Permit Eng.

DATE 08/06/09

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

Run Date/Time: 07/23/09 09:12 AM

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 Case File Juris:

Total Acres 1,891.720

Serial Number NMNM-- - 120908

Serial Number: NMNM-- - 120908

Name & Address			Int Rel	%Interest
OGX RESOURCES LLC	400 N MARIENFELD #200	MIDLAND TX 79701	LESSEE	100.000000000

Serial Number: NMNM-- - 120908

Mer Twp Rng	Sec	SType	Nr Suff	Subdivision	District/Resource Area	County	Mgmt Agency
23 0240S 0320E	029	ALIQ		NE,W2,W2SE;	CARLSBAD FO	LEA	BUREAU OF LAND MGMT
23 0240S 0320E	030	ALIQ		E2,E2W2;	CARLSBAD FO	LEA	BUREAU OF LAND MGMT
23 0240S 0320E	030	LOTS		1-4;	CARLSBAD FO	LEA	BUREAU OF LAND MGMT
23 0240S 0320E	031	ALIQ		E2,E2W2;	CARLSBAD FO	LEA	BUREAU OF LAND MGMT
23 0240S 0320E	031	LOTS		1-4;	CARLSBAD FO	LEA	BUREAU OF LAND MGMT

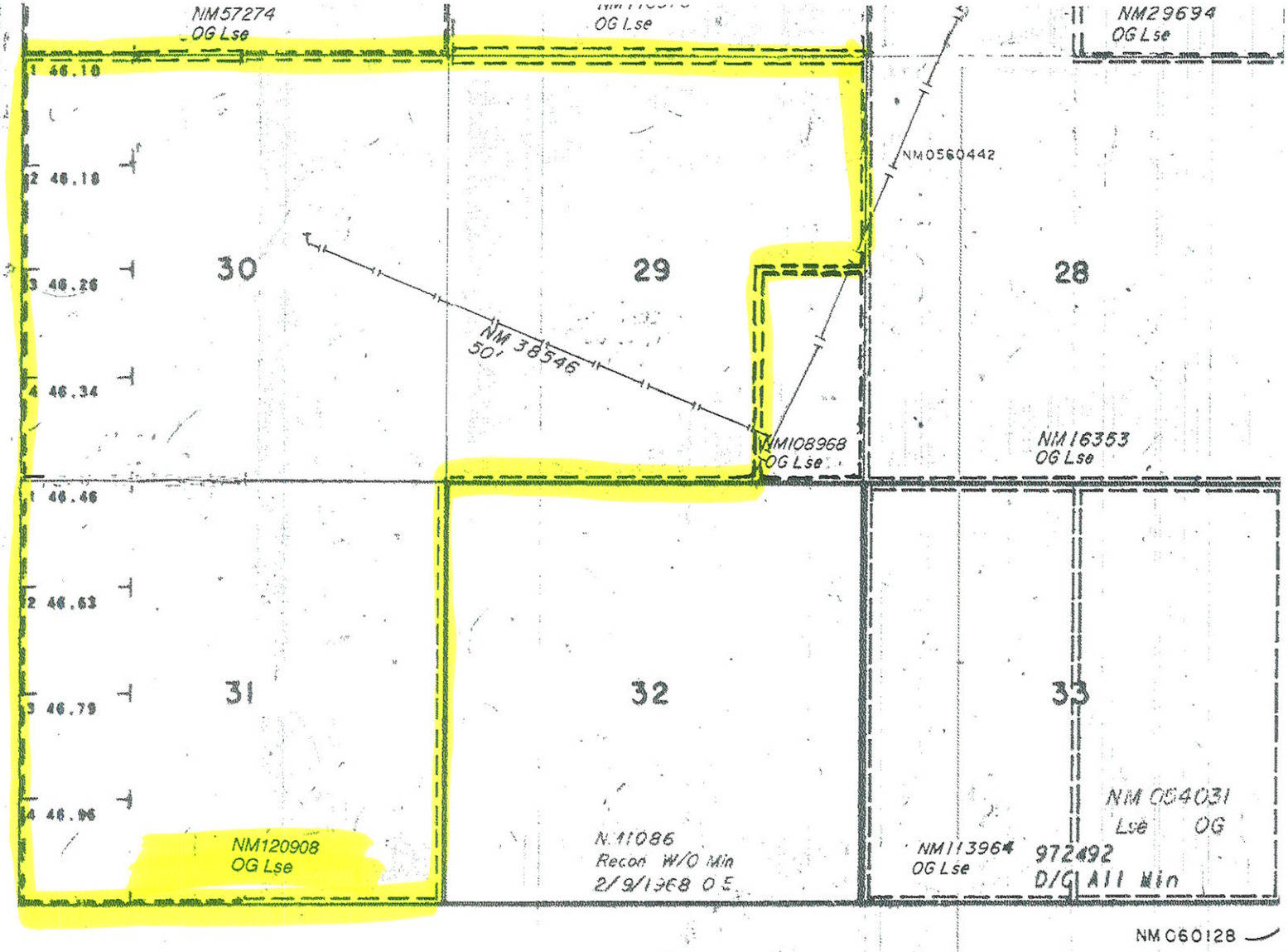
Serial Number: NMNM-- - 120908

Act Date	Code	Action	Action Remarks	Pending Office
05/30/2008	387	CASE ESTABLISHED	200807026;	
06/30/2008	299	PROTEST FILED	SUSAN H BELL;	
07/01/2008	299	PROTEST FILED	WESTERN ENVR LAW CTR;	
07/01/2008	299	PROTEST FILED	WILD EARTH GUARDIANS;	
07/16/2008	191	SALE HELD		
07/16/2008	267	BID RECEIVED	$3027200.00;	
09/08/2008	298	PROTEST DISMISSED	SUSAN H BELL;	
10/24/2008	298	PROTEST DISMISSED	WILD EARTH GUARDIANS;	
10/31/2008	237	LEASE ISSUED		
10/31/2008	298	PROTEST DISMISSED	WESTERN ENVR LAW CTR;	
10/31/2008	974	AUTOMATED RECORD VERIF	BTM	
11/01/2008	496	FUND CODE	05;145003	
11/01/2008	530	RLTY RATE - 12 1/2%		
11/01/2008	868	EFFECTIVE DATE		
11/17/2008	042	CASE SENT TO	RROMERO;	
10/31/2018	763	EXPIRES		

Serial Number: NMNM-- - 120908

Line Nr	Remarks
02	STIPULATIONS ATTACHED TO LEASE:
03	NM-11-LN SPECIAL CULTURAL RESOURCE
04	SENM-S-15 WILDLIFE HABITAT PROJECTS
05	SENM-S-19 PLAYAS AND ALKALI LAKES
06	SENM-S-22 PRAIRIE CHICKENS

NO WARRANTY IS MADE BY BLM
FOR USE OF THE DATA FOR
PURPOSES NOT INTENDED BY BLM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OG Lse
OG Lse
NM29694
OG Lse
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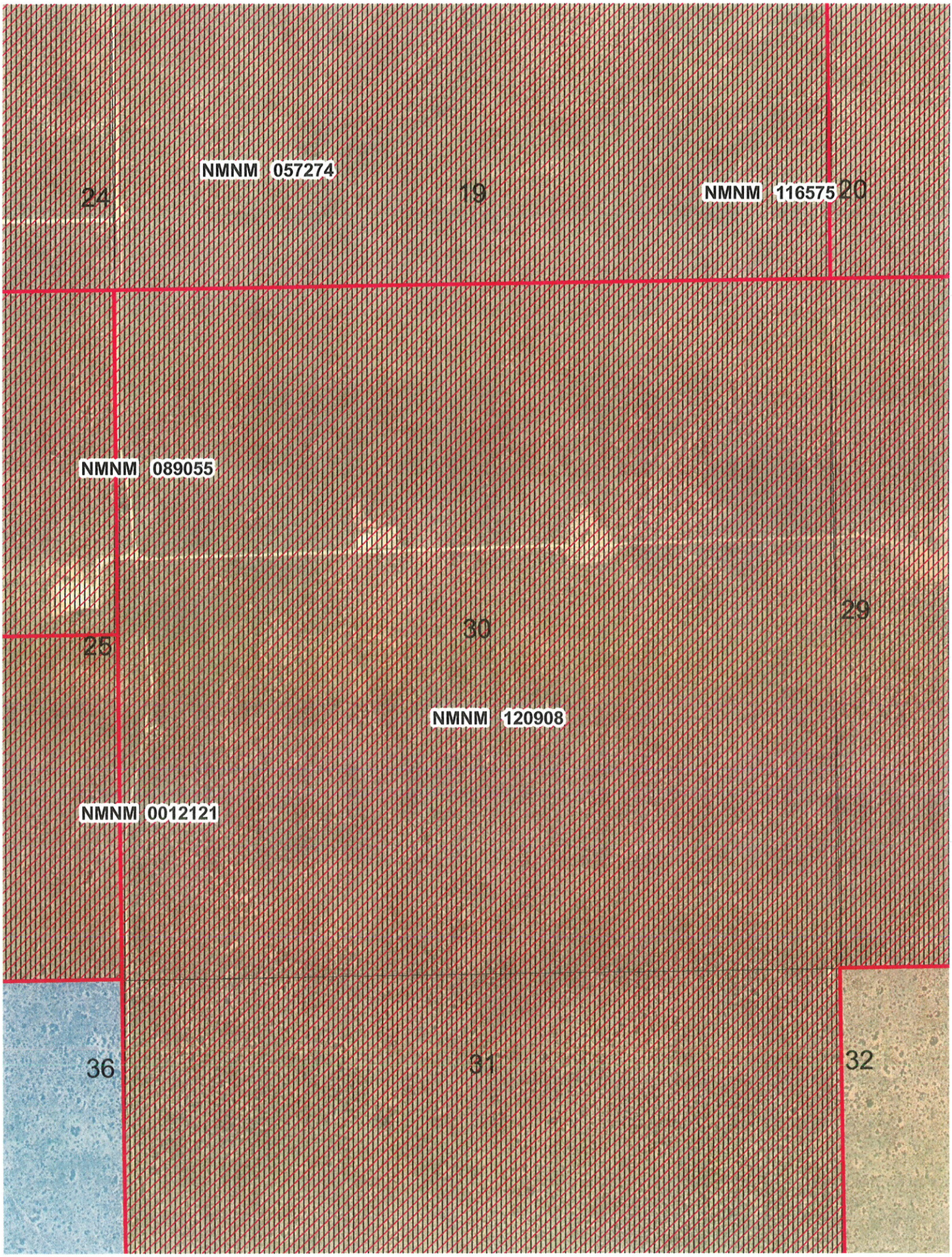
2 46.18
3 46.26
4 46.34
30
29
28
NM0560442
NM 38546
50'
NM108968
OG Lse
NM16353
OG Lse
1 46.46
2 46.63
3 46.79
4 46.96
31
32
33
NM054031
Lse OG
NM120908
OG Lse
N.11086
Recon W/O Min
2/9/1968 O.E.
NM113964
OG Lse
972492
D/G All Min
NM060128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24
19
NMNM 116575
20
NMNM 089055
25
30
29
NMNM 120908
NMNM 0012121
36
31
32

OGX RESOURCES LLC (II)
P.O. BOX 11148 MIDLAND, TX 79702 (432)685-1287

INVOICE #	INVOICE DATE	VOUCHER	INVOICE AMOUNT	DISCOUNT TAKEN	NET AMOUNT
PADUCA 30 FED 1	08/28/2009	6669	4,000.00	0.00	4,000.00

Bureau of Land Management
RECEIVED
SEP 03 2009
Carlsbad Field Office
Carlsbad, NM

Kristin,
Check For
Paduca "30" Federal
#1
OGX Resources

VENDOR: BU805 CHECK NUMBER: 18097 DATE: 08/28/2009 AMOUNT: $4,000.00

027398

PLEASE DETACH THIS REMITTANCE ADVICE BEFORE DEPOSITING CHECK

OGX RESOURCES LLC (II)
P.O. BOX 11148
MIDLAND, TX 79702
(432)685-1287

OGX Resources LLC Oper

OGX RESOURCES LLC (II)

COPY

CHECK NUMBER
18097

DATE
08/28/2009

*******4,000 Dollars and 00 Cents

AMOUNT
*******4,000.00

TWO SIGNATURES REQUIRED OVER $50,000

PAY TO THE ORDER OF
BUREAU OF LAND MANAGEMENT
620 E. GREENE ST.
CARLSBAD, NM 88220-6292

Otis Adams
Donna Cantrell

VOID IF NOT CASHED WITHIN 60 DAYS

UNITED STATES DEPT OF INTERIOR

BUREAU OF LAND MANAGEMENT

BOND ABSTRACT

BLM BOND NO: NMB000244
DOCUMENT ID: 8141
CASE TYPE: 310434 O&G BOND ALL LANDS

DISPOSITION: ACCEPTED

NAME AND ADDRESS OF BOND PARTIES

B20040371 BONDED PRINCIPAL
OGX RESOURCES LLC
PO BOX 2064
MIDLAND TX 79702

NAME AND ADDRESS OF SURETY PARTIES

SERIAL NUMBER(s):

BOND AREA: STATEWIDE
TYPE OF LAND: FEDERAL-ALL RIGHTS
BOND TYPE: LETTER OF CREDIT

STATES COVERED: NM
BOND AMOUNT:$25,000

BONDED ACTIVITY/PURPOSE

GENERAL LSE/DRILLING

COMMODITY(IES)

OIL & GAS L

ACTION CODE	ACTION DATE	ACTION TAKEN	ACTION REMARKS	PENDING
468	10/25/2004	BOND FILED		NM92100
469	10/28/2004	BOND ACCEPTED	EFF 04/25/2004+	
974	10/28/2004	AUTOMATED RECORD VERIF	GAG	

GENERAL REMARKS

LINE #	REMARK
001	LOC FROM WEST TEXAS NATIONAL BANK, 6 DESTA DRIVE, SUITE 2400,
002	MIDLAND, TX 79705.