

From: Moore, Nikki
To: [Miller, Ann](#)
Cc: [Tyler Ashcroft](#); [Allison Ginn](#); [Sally Butts](#); [Simon, Benjamin](#); [Peter Mali](#); [John Ruhs](#); [McAlear, Christopher](#); [Kathleen Benedetto](#); [Edwin Roberson](#); [Anita Bilbao](#); [Bowman, Randal](#); [Aaron Moody](#); [Timothy Fisher](#); [Kristin Bail](#)
Subject: Re: BENM data call follow-up questions
Date: Monday, May 22, 2017 4:49:47 PM
Attachments: [Attach 1. MLP BENM Acres.xlsx](#)
[Attach 2. BENM OGWells.xlsx](#)
[Attach 3. BENM Potash PPAs.docx](#)
[BENM Additional Data Request 052217.docx](#)

Hi Ann,

Please find attached our responses (and three attachments) to the BENM follow up questions on the initial data provided. The Utah BLM office is also preparing a map for question 1 and should have that ready to send tomorrow.

Please let me know if you need anything else,

Nikki

Nikki Moore

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On Mon, May 22, 2017 at 11:51 AM, Miller, Ann <ann_miller@ios.doi.gov> wrote:

Hi Nikki,

Thank you for all of the information you and your colleagues have amassed and shared with us on Bears Ears National Monument. We appreciate the time you all have taken to respond to our data call as well as all of the supplemental documents you provided. We have some follow-up and clarification questions below. I can set up a call at your convenience to talk through the questions if that is easier than responding via email. Just let me know what your preference is - if you would like me to set up a call, please let me know who to include on the invite.

Oil & Gas:

1. Is there any information about the area that the proposed San Juan Master Leasing Plan would have encompassed? It is our understanding that it would have overlapped with at least part of what is now Bears Ears National Monument (BENM).
2. Is it possible to provide information on why acres nominated for leasing for O&G within what is now BENM were not included in quarterly lease sales? Is there any sense of levels of interest in lease nominations prior to 2014?
3. Are all existing wells on BENM now abandoned? While the last producing well was drilled in 1984, when did production actually cease on what are now monument

lands?

Minerals:

4. What material is being produced at the one commercial mineral materials site?
5. What are the land use decisions that precluded processing of potash prospecting applications prior to designation?

Recreation:

6. While generally visitation increased substantially between FY15 and FY16, a couple of activities in particular increased as a percentage of total visitation.

Notably:

- “driving for pleasure” increased from 5,445 visitor days in FY15 (2% of total visitor days) to 33,496 visitor days in FY16 (6% of total visitor days)
- “climbing - mountain/rock” increased from 4,132 visitor days in FY15 (1% of total visitor days) to 29,363 visitor days in FY16 (6% of total visitor days)

Is there any insight into what is driving these jumps? I am mostly curious because in FY12-FY15, the top 5 activities by visitor day were consistently camping, backpacking, hiking/walking/running, row/float/raft, and viewing-cultural sites; but in FY16, driving for pleasure and rock climbing unseated row/float/raft and viewing-cultural sites in the top 5 activities.

7. Is Kane Gulch the only ranger station in BENM? Can visitation to Kane Gulch ranger station be considered a fairly representative proxy for visitation to BENM?

Timber:

8. We have not yet received information on timber production from the Forest Service regarding timber activities in Manti-La Sal National Forest. Do you know if commercial timber production is permitted in Manti-La Sal NF?

Cultural Resources:

9. What surveys and catalogues have been developed for cultural resources? Maps that have been shared with us indicated that only 9.2% of BENM has been inventoried for archaeological resources. Are there plans to survey the remainder of the monument?

Thanks!

Ann

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<i>Moab MLP acres within Bears Ears NM</i>		
Ownership	Acres	
Bureau of Land Management (BLM)		134,344
Private		4,846
State		18,930
State Parks and Recreation		40
Total		158,159

<i>San Juan MLP acres within Bears Ears NM</i>		
Ownership	Acres	
Bureau of Land Management (BLM)		235,137
Private		5,031
State		34,334
State Parks and Recreation		10
Total		274,512

API	WELL_NAME	QTR_QTR	SECTION	TOWNSHII	RANGE	MERIDIAN	TOTAL_CUM_OIL	TOTAL_CUM_GAS	TOTAL_CUM_WATER	GIS_STAT_TYPE	ORIG_COMPL_DATE	ORIG_TD	Last Month Produced
4303730522	KIRKWOOD FED 1-25	NENW	25	T40 0S	R22.0E	S	232594	158309	185894	PA	3/28/1980	5590	Oct-92
4303730994	FEDERAL 1-26 D	NENE	26	T40 0S	R22.0E	S	27894	17914	12976	PA	6/16/1984	5590	Jul-91
4303710854	GOVT-USA-FEATHERSTONE A-1	SWSW	24	T40 0S	R22.0E	S	22863	23522	1746	PA	3/8/1957	5795	No Data Prior to January 1984
4303730575	23-32 FEDERAL	SWNE	23	T40 0S	R22.0E	S	6422	409	31635	PA	4/24/1981	5673	Feb-86
4303710515	BLUFF BENCH U 8	NWSW	21	T40 0S	R22.0E	S	6142	2813	696	PA	7/24/1958	5585	No Data Prior to January 1984
4303710517	BLUFF BENCH U 12	SESE	12	T40 0S	R21.0E	S	2970	1780	7064	PA	2/8/1960	5751	No Data Prior to January 1984
4303711239	USA HARRIS 1	SESE	08	T39 0S	R21.0E	S	2087	0	124	PA	9/16/1962	5177	No Data Prior to January 1984
4303710522	GOVT FEHR LYON 1	NESE	33	T40 0S	R21.0E	S	603	0	923	PA	5/15/1959	6283	No Data Prior to January 1984
4303710010	COTTONWOOD CREEK 1-A	NWNW	19	T39.0S	R22.0E	S	452	0	14000	PA	5/4/1962	5836	No Data Prior to January 1984
4303710013	KW ALGIER COMB RIDGE 1	SWSE	26	T40 0S	R20.0E	S	0	0	0	LA	4/10/1962		
4303710050	GOVT-OAK 1	SWSW	09	T40 0S	R20.0E	S	0	0	0	PA	5/31/1957	3552	
4303710055	COMB WASH U 1	NWSE	14	T39 0S	R20.0E	S	0	0	0	PA	12/6/1960	4143	
4303710056	COMB WASH U 3	NWNW	10	T39 0S	R20.0E	S	0	0	0	PA	12/11/1961	2044	
4303710057	MONSANTO-GOVT 1	NWNW	22	T38 0S	R19.0E	S	0	0	0	PA	3/30/1962	2357	
4303710058	MURPHY FEDERAL 1	NWNW	11	T39 0S	R19.0E	S	0	0	0	PA	2/27/1961	3283	
4303710112	NORMA FED 1	SWNW	33	T39.0S	R18.0E	S	0	0	0	PA	12/27/1961	3295	
4303710115	FEDERAL BRANNON 29-1	NENW	29	T37.0S	R21.0E	S	0	0	0	PA	1/1/1964	6000	
4303710220	BLUFF BENCH FED 1	SESW	22	T40.0S	R22.0E	S	0	0	0	PA	12/7/1964	5677	
4303710224	1-20 FEDERAL	NENE	20	T38.0S	R22.0E	S	0	0	0	PA	6/29/1960	6532	
4303710235	FEDERAL-FEHR 1	SWNE	23	T37 0S	R21.0E	S	0	0	0	PA	3/7/1958	5978	
4303710329	DUNCAN & HILL 1 ST	C-NW	32	T40 0S	R20.0E	S	0	0	0	PA	6/4/1950	3215	
4303710334	GOVT 1	SWSW	19	T34 0S	R22.0E	S	0	0	0	PA	7/30/1957	2079	
4303710353	KIMBALL 1		06	T30 0S	R21.0E	S	0	0	0	PA	6/23/1927	4136	
4303710366	N BUTLER WASH U 1-A	NWSW	16	T38 0S	R21.0E	S	0	0	0	PA	6/3/1957	7679	
4303710376	GOVT 31-1	SENW	31	T39 0S	R15.0E	S	0	0	0	PA	2/14/1956	4100	
4303710398	GORDON FED 1-23	SENW	23	T40 0S	R19.0E	S	0	0	0	PA	7/28/1965	1437	
4303710399	GORDON FED 1-33	SENE	33	T40.0S	R19.0E	S	0	0	0	PA	9/6/1965	1353	
4303710426	ARCH CANYON 1	SENW	10	T37.0S	R20.0E	S	0	0	0	PA	10/30/1959	3397	
4303710435	FEDERAL-DANVERS 1	SWSE	04	T39.0S	R18.0E	S	0	0	0	PA	9/12/1957	3150	
4303710439	GULF-AZTEC-LOCKHART-FED 1	SWSW	22	T28.0S	R20.0E	S	0	0	0	PA	12/26/1957	6184	
4303710441	GOVT NORWOOD B-1	NENW	08	T40 0S	R22.0E	S	0	0	0	PA	10/24/1963	5850	
4303710510	BLUFF BENCH U 2	SWSE	05	T39 0S	R22.0E	S	0	0	0	PA	3/25/1957	5980	
4303710513	BLUFF BENCH U 5	NWNW	17	T40 0S	R22.0E	S	0	0	0	PA	2/13/1958	5830	
4303710518	BLUFF BENCH U 13	SWSW	02	T39 0S	R21.0E	S	0	0	0	PA	2/28/1960	5761	
4303710520	CEDAR MESA U 1	NENW	15	T39 0S	R18.0E	S	0	0	0	PA		5000	
4303710523	GOVT-FEHR-LYON 2	SESE	31	T40 0S	R21.0E	S	0	0	0	PA	8/23/1959	6346	
4303710524	GOV'T-FEHR-LYON 3	NESE	08	T40 0S	R21.0E	S	0	0	0	PA	1/9/1960	5471	
4303710525	GOVT-HANCOCK 1	SENE	26	T39 0S	R17.0E	S	0	0	0	PA	7/13/1959	3585	
4303710571	RUSTLERS DOME U 1	NWSW	04	T29 0S	R20.0E	S	0	0	0	PA	1/6/1960	5076	
4303710572	J H RYAN 1	NWNW	14	T38 0S	R18.0E	S	0	0	0	PA	2/2/1956	3394	
4303710636	FEDERAL 1	SWSW	23	T37 0S	R19.0E	S	0	0	0	PA	2/4/1958	3501	
4303710659	DRY MESA GOVT 1	SWSW	02	T35 0S	R18.0E	S	0	0	0	PA	9/2/1960	3950	
4303710725	ABAJO 11-9	NWNW	09	T34 0S	R21.0E	S	0	0	0	PA	10/10/1957	4605	
4303710727	GOVT 1	NWSW	30	T34 0S	R19.0E	S	0	0	0	PA	11/5/1927	4422	
4303710739	LEAN-TO 1	SWNW	18	T34 0S	R17.0E	S	0	0	0	PA	12/19/1959	3627	
4303710740	LEAN-TO 2	NWNE	11	T33 0S	R16.0E	S	0	0	0	PA	2/13/1960	3665	
4303710751	MOUNT PEALE-FEHR 1	NWNW	06	T38 0S	R21.0E	S	0	0	0	PA	3/25/1958	3610	
4303710761	MORMON FLAT GOVT 1	NENW	13	T37 0S	R18.0E	S	0	0	0	PA	10/13/1957	4637	
4303710835	BEARS EARS UNIT 1	SESE	17	T36 0S	R19.0E	S	0	0	0	PA	10/19/1957	3590	
4303710845	ELK RIDGE UNIT 1	SWSW	02	T34 0S	R19.0E	S	0	0	0	PA	11/21/1956	4218	
4303710846	ELK RIDGE UNIT 2	SWSE	18	T35 0S	R20.0E	S	0	0	0	PA	10/29/1957	4347	
4303710847	GRAND GULCH UNIT 1	NWNE	07	T39 0S	R15.0E	S	0	0	0	PA	11/20/1960	4000	
4303710849	USA LOCKHART 1	SESE	23	T28 0S	R20.0E	S	0	0	0	PA	9/8/1961	5630	
4303710855	MARTHA FEATHERSTONE USA B-1	SWSE	23	T40 0S	R22.0E	S	0	0	0	PA	6/9/1957	5534	
4303710860	USA CHARLES 1	SENW	31	T28 0S	R21.0E	S	0	0	0	PA	9/3/1964	5306	
4303710907	FEDERAL 1720	SESE	16	T37 0S	R17.0E	S	0	0	0	PA	6/14/1959	3539	
4303710958	FRANCIS M RAYMOND 1	SWSW	13	T40 0S	R19.0E	S	0	0	0	PA	3/11/1958	2458	
4303710970	GIBSON DOME-GOVT 1	SENE	35	T29 5S	R20.0E	S	0	0	0	PA	9/1/1955	6036	
4303710971	FISH CREEK 1	SWNW	26	T38 0S	R20.0E	S	0	0	0	PA	11/3/1955	3214	
4303711005	COLUMBUS REXALL 1	NENE	01	T41 0S	R18.0E	S	0	0	0	PA	1/8/1959	3005	
4303711094	DARK CANYON FED UNIT 1	SWSW	36	T33 0S	R18.0E	S	0	0	0	PA	7/18/1958	4041	
4303711095	DARK CANYON UNIT 2	NWSW	01	T34 0S	R17.0E	S	0	0	0	PA	8/22/1958	3425	
4303711096	DARK CANYON UNIT 3	NENE	26	T34 0S	R17.0E	S	0	0	0	PA	10/2/1958	3727	
4303711097	FEDERAL FEHR 1	SWSW	07	T38 0S	R18.0E	S	0	0	0	PA	10/16/1958	3618	

4303711099	FEDERAL MC LANE 1	NENE	25	T36 0S	R16.0E	S	0	0	0	PA	12/2/1958	4007
4303711100	GRAND GULCH 1	SWSE	15	T39 0S	R16.0E	S	0	0	0	PA	8/22/1959	3404
4303711101	FED SOUTHERN UNION 1	NENE	22	T38 0S	R16.0E	S	0	0	0	PA	10/19/1957	3885
4303711129	A S JENSEN 1	NESW	20	T39 0S	R20.0E	S	0	0	0	PA	3/22/1961	2185
4303711135	UTAH-FED C 1	SWSW	04	T35 0S	R15.0E	S	0	0	0	PA	1/12/1961	4533
4303711149	FEDERAL MARATHON 1	SENW	05	T41 0S	R21.0E	S	0	0	0	PA	2/12/1965	5558
4303711158	UTAH-GOVT 1	SESE	34	T38 0S	R18.0E	S	0	0	0	PA	7/3/1959	2705
4303711190	CULBERTSON GOVERNMENT 21-6	NENW	06	T35 0S	R22.0E	S	0	0	0	PA	6/18/1961	5860
4303711233	ORGAN ROCK CORE HOLE A 1	SWSW	02	T39 0S	R15.0E	S	0	0	0	PA	12/19/1959	2767
4303711236	ROLLING MESA FED UNIT 4	SESE	27	T40 0S	R21.0E	S	0	0	0	PA	7/16/1960	6368
4303711237	USA RUTH ATKINSON 1	SESW	15	T39 0S	R21.0E	S	0	0	0	PA	1/19/1961	5973
4303711238	USA DOW & MC HUGH 1	SWSW	08	T39 0S	R21.0E	S	0	0	0	PA	12/18/1962	5170
4303711247	CATARACT CANYON UNIT 1	NWSE	28	T32 0S	R19.0E	S	0	0	0	PA	11/15/1956	4944
4303711248	CATARACT CANYON UNIT 2	SWSE	18	T32 0S	R19.0E	S	0	0	0	PA	2/22/1958	2829
4303711249	GOVT BELCO 1	SESE	15	T39 0S	R20.0E	S	0	0	0	PA	11/28/1965	1980
4303711250	JOHNS CANYON UNIT 1	SWSW	06	T41 0S	R18.0E	S	0	0	0	PA	3/22/1962	4469
4303711286	UTAH FED H-1	NENE	14	T38 0S	R20.0E	S	0	0	0	PA	2/28/1957	1931
4303711287	UTAH FED H 2	SENE	14	T38 0S	R20.0E	S	0	0	0	PA	4/7/1957	3384
4303711314	BLUFF BENCH UNIT ST 1	NENE	32	T38 0S	R22.0E	S	0	0	0	PA	4/22/1959	5940
4303711349	GOVERNMENT (489) 1-2	SWSW	02	T35 0S	R20.0E	S	0	0	0	PA	11/20/1962	5542
4303711352	HORSEHEAD UNIT 1	NWSW	18	T29 0S	R21.0E	S	0	0	0	PA	10/16/1961	7256
4303711397	GOVERNMENT 1	NWNE	01	T30 0S	R20.0E	S	0	0	0	PA	4/26/1927	1643
4303711448	GOVT 1	NWNW	14	T36 0S	R20.0E	S	0	0	0	LA	5/6/1957	
4303711452	BLACK MESA UNIT 3	SESE	14	T39 0S	R21.0E	S	0	0	0	PA	10/1/1964	5849
4303711453	DELHI-GOVT B-1	NESE	13	T39 0S	R21.0E	S	0	0	0	PA	6/26/1962	5881
4303711456	MIAMI COMMUNITY 11-D-1	SESE	11	T39 0S	R21.0E	S	0	0	0	PA	6/25/1963	6071
4303711457	MIAMI FEDERAL 4-A-1	NENE	04	T39 0S	R21.0E	S	0	0	0	PA	7/21/1963	6218
4303711466	ROLLING MESA 1	NENE	14	T40 0S	R21.0E	S	0	0	0	PA	11/2/1961	5418
4303715588	LIME RIDGE UNIT 1	SWSW	28	T40 0S	R20.0E	S	0	0	0	PA	12/20/1957	3357
4303720054	COTTONWOOD CREEK U 1-A	SWNE	18	T39 0S	R22.0E	S	0	0	0	PA	5/21/1966	5756
4303720129	BLUFF BENCH FED 1	SESE	35	T39 0S	R21.0E	S	0	0	0	PA	10/15/1966	5680
4303720256	BUTLER PROSPECT 387A 1	SWSE	31	T38 0S	R22.0E	S	0	0	0	PA	8/12/1967	5915
4303720322	GIBSON DOME ST 1-2	SWNE	02	T30 0S	R20.0E	S	0	0	0	PA	2/16/1968	5900
4303720327	MIDWEST EXPL CO 1	SWNE	16	T27 0S	R20.0E	S	0	0	0	PA	6/13/1927	5863
4303720333	WESTERN STATES DEV CO 1	SWSW	34	T29 0S	R20.0E	S	0	0	0	PA	10/5/1920	323
4303720339	DESERET PETROLEUM 1	SENE	34	T29 5S	R20.0E	S	0	0	0	PA	3/12/1927	510
4303720359	FEDERAL 1	SWSW	01	T37 0S	R18.0E	S	0	0	0	PA	4/12/1954	3950
4303720363	FISH CREEK UNIT 1	NWNW	22	T38 0S	R20.0E	S	0	0	0	PA	9/8/1954	4844
4303720375	BLUFF BENCH U 1	NWSW	29	T39 0S	R22.0E	S	0	0	0	PA	4/1/1954	7811
4303720395	NORWOOD OIL CO 1	SENE	25	T40 0S	R17.0E	S	0	0	0	PA		1938
4303720397	2	NENW	07	T40 0S	R18.0E	S	0	0	0	PA		210
4303720399	UNKNOWN	SESE	24	T40 0S	R18.0E	S	0	0	0	PA		150
4303720401	1	SENE	28	T40 0S	R18.0E	S	0	0	0	PA		3633
4303720403	1 HALBERSTEBEN	SESE	33	T40 0S	R18.0E	S	0	0	0	PA		560
4303720405	2 FINLEY	SWSE	33	T40 0S	R18.0E	S	0	0	0	PA		40
4303720407	3 FINLEY	SESE	33	T40 0S	R18.0E	S	0	0	0	PA		50
4303720409	1 FINLEY	SWNW	34	T40 0S	R18.0E	S	0	0	0	PA		50
4303720411	UNKNOWN	SWSE	36	T40 0S	R18.0E	S	0	0	0	PA		300
4303720413	SAN JUAN CO 1	SESE	11	T40 0S	R19.0E	S	0	0	0	PA		50
4303720415	SAN JUAN CO 7	NWSW	13	T40 0S	R19.0E	S	0	0	0	PA		140
4303720417	SAN JUAN CO 8	SWNW	13	T40 0S	R19.0E	S	0	0	0	PA		595
4303720419	SAN JUAN CO 6	NWNW	13	T40 0S	R19.0E	S	0	0	0	PA		165
4303720421	SAN JUAN CO 9	NENE	14	T40 0S	R19.0E	S	0	0	0	PA		145
4303720423	UNKNOWN 1	NWSE	16	T40 0S	R19.0E	S	0	0	0	PA		12
4303720425	UNKNOWN	SENE	19	T40 0S	R19.0E	S	0	0	0	PA		600
4303720427	UNKNOWN 1	SWSW	19	T40 0S	R19.0E	S	0	0	0	PA		20
4303720429	SAN JUAN CO 9	SENE	23	T40 0S	R19.0E	S	0	0	0	PA		50
4303720431	UNKNOWN 1	SWSE	23	T40 0S	R19.0E	S	0	0	0	PA		150
4303720433	1	NWNW	29	T40 0S	R19.0E	S	0	0	0	PA		500
4303720435	UNKNOWN 1	NWNW	30	T40 0S	R19.0E	S	0	0	0	PA		80
4303720437	UNKNOWN	SWNE	30	T40 0S	R19.0E	S	0	0	0	PA		515
4303720439	UNKNOWN 1	SESE	31	T40 0S	R19.0E	S	0	0	0	PA		100
4303720441	UNKNOWN 1	SWSW	32	T40 0S	R19.0E	S	0	0	0	PA		50
4303720443	1	SENW	33	T40 0S	R19.0E	S	0	0	0	PA		1200
4303720445	DESERT CREEK 1	SENW	02	T40 0S	R20.0E	S	0	0	0	PA	7/10/1954	6700
4303720447	GOVERNMENT 1	SESW	15	T40 0S	R20.0E	S	0	0	0	PA	11/15/1955	2000
4303720453	UNKNOWN 1	SESE	01	T40 0S	R21.0E	S	0	0	0	PA		200

4303720457	FEDERAL 1-26	NENE	26	T40 0S	R22.0E	S	0	0	0	LA	7/9/1982	
4303720465	UNKNOWN 2	NENE	01	T41 0S	R18.0E	S	0	0	0	PA		20
4303720467	UNKNOWN 1	NENW	01	T41 0S	R18.0E	S	0	0	0	PA		300
4303720469	UNKNOWN 2	NENW	01	T41 0S	R18.0E	S	0	0	0	PA		
4303720471	UNKNOWN 1	NWNW	01	T41 0S	R18.0E	S	0	0	0	PA		50
4303720473	UNKNOWN	SENE	02	T41 0S	R18.0E	S	0	0	0	PA		20
4303720475	PINNACLE OIL 1	NESW	02	T41 0S	R18.0E	S	0	0	0	PA		600
4303720477	UNKNOWN	SWSW	03	T41 0S	R18.0E	S	0	0	0	PA		10
4303720479	OLYMPIC 1	SESE	04	T41 0S	R18.0E	S	0	0	0	PA		150
4303720481	UNKNOWN 1	SESE	04	T41 0S	R18.0E	S	0	0	0	PA		10
4303720483	HARRY MC KIM ET AL 1	SESE	09	T41 0S	R18.0E	S	0	0	0	PA	4/1/1950	143
4303720487	PACIFIC SAN JUAN CO 1	SWNE	12	T41 0S	R18.0E	S	0	0	0	PA		100
4303720489	LONDON SAN JUAN OIL CO 1	SWSE	12	T41 0S	R18.0E	S	0	0	0	PA		520
4303720491	LONDON SAN JUAN OIL CO 2	SWSW	12	T41 0S	R18.0E	S	0	0	0	PA		450
4303720493	LONDON SAN JUAN OIL CO 4	C-NW	13	T41 0S	R18.0E	S	0	0	0	PA		
4303720495	AZTEC OIL CO 1	NWNW	15	T41 0S	R18.0E	S	0	0	0	PA		1350
4303720497	UNKNOWN	NWSW	16	T41 0S	R18.0E	S	0	0	0	PA		30
4303720499	UNKNOWN	SWSW	16	T41 0S	R18.0E	S	0	0	0	PA		150
4303720503	UNKNOWN	NENW	20	T41 0S	R18.0E	S	0	0	0	PA		150
4303720505	UNKNOWN	NENW	20	T41 0S	R18.0E	S	0	0	0	PA		150
4303720507	HUMBOLT	NWNE	22	T41 0S	R18.0E	S	0	0	0	PA		30
4303720509	PALO PINTO OIL CO 1	SESW	22	T41 0S	R18.0E	S	0	0	0	PA		900
4303720511	PALO PINTO OIL CO 2	SESW	22	T41 0S	R18.0E	S	0	0	0	PA		500
4303720513	UNKNOWN 1	NENW	22	T41 0S	R18.0E	S	0	0	0	PA		
4303720515	SAN JUAN OIL CO 1	SESE	23	T41 0S	R18.0E	S	0	0	0	PA		213
4303720517	UNKNOWN	NWNW	24	T41 0S	R18.0E	S	0	0	0	PA		50
4303720519	UNKNOWN	NWSW	24	T41 0S	R18.0E	S	0	0	0	PA		10
4303720521	UNKNOWN 1	NWSW	24	T41 0S	R18.0E	S	0	0	0	PA		10
4303720523	UNKNOWN	SWSW	24	T41 0S	R18.0E	S	0	0	0	PA		10
4303720529	UNKNOWN 1	SESE	26	T41 0S	R18.0E	S	0	0	0	PA		
4303720531	UNKNOWN	SWNW	28	T41 0S	R18.0E	S	0	0	0	PA		150
4303720533	UNKNOWN 1	NENE	29	T41 0S	R18.0E	S	0	0	0	PA		150
4303720537	UNKNOWN 1	SWSW	05	T41 0S	R19.0E	S	0	0	0	PA		50
4303720539	BITTER SPRINGS 1	SWNE	06	T41 0S	R19.0E	S	0	0	0	PA		200
4303720541	BITTER SPRINGS 2	SWNE	06	T41 0S	R19.0E	S	0	0	0	PA		160
4303720543	BITTER SPRINGS 3	SWNE	06	T41 0S	R19.0E	S	0	0	0	PA		10
4303720545	1	NENE	07	T41 0S	R19.0E	S	0	0	0	PA		50
4303720547	UNKNOWN	NWNE	07	T41 0S	R19.0E	S	0	0	0	PA		25
4303720549	1	SENE	08	T41 0S	R19.0E	S	0	0	0	PA		450
4303720551	UNKNOWN	NESW	10	T41 0S	R19.0E	S	0	0	0	PA		100
4303720555	1	NWNW	16	T41 0S	R19.0E	S	0	0	0	PA		354
4303720557	CONEJOS 1	SWNE	17	T41 0S	R19.0E	S	0	0	0	PA		215
4303720559	MC MORAN 1	SESW	17	T41 0S	R19.0E	S	0	0	0	PA		200
4303720561	UNKNOWN 1	NESW	18	T41 0S	R19.0E	S	0	0	0	PA		20
4303720563	1	NWNE	19	T41 0S	R19.0E	S	0	0	0	PA		400
4303720581	UNKNOWN 2	NWSW	31	T41 0S	R19.0E	S	0	0	0	PA		
4303720583	UNKNOWN 2	SWSW	31	T41 0S	R19.0E	S	0	0	0	PA		
4303720585	UNKNOWN 1	NWSW	31	T41 0S	R19.0E	S	0	0	0	PA		
4303730009	CATARACT CANYON GOVT 1	SWSW	08	T32 0S	R19.0E	S	0	0	0	PA	6/15/1968	1821
4303730010	TURNER BLUFF 1-6	NWNE	06	T40 0S	R22.0E	S	0	0	0	PA	6/3/1968	5840
4303730015	CATARACT CANYON GOVT 2	SESE	07	T32 0S	R19.0E	S	0	0	0	PA	7/20/1968	3162
4303730025	COTTONWOOD CRK FED 1	NWNW	07	T39 0S	R22.0E	S	0	0	0	PA	12/18/1968	6015
4303730051	LOCKHART ST 1	NESW	36	T28 0S	R20.0E	S	0	0	0	PA	12/23/1970	3936
4303730052	GOVT LINK 1	SENW	24	T40 0S	R22.0E	S	0	0	0	PA	12/2/1970	5710
4303730056	FEDERAL 7-1	NWNE	07	T37 0S	R19.0E	S	0	0	0	PA	7/19/1971	4405
4303730058	USA DU 2	NESW	05	T33 0S	R21.0E	S	0	0	0	PA	8/7/1971	4387
4303730059	FEDERAL FISH CREEK 1	SWNW	22	T38 0S	R20.0E	S	0	0	0	PA	7/30/1971	3610
4303730063	RUSTLER DOME 1	NWNW	15	T29 0S	R20.0E	S	0	0	0	PA	10/15/1971	5013
4303730071	FEDERAL 14-11 PETROLEUM INC	SWSW	11	T39 0S	R21.0E	S	0	0	0	PA	11/23/1971	5900
4303730086	FEDERAL 1-31	NESE	31	T39 0S	R22.0E	S	0	0	0	LA	10/4/1972	
4303730089	UTAH-FEDERAL 8-10RP	NWSE	08	T39 0S	R21.0E	S	0	0	0	PA	9/20/1972	5417
4303730092	WE HALEY FEDERAL NO 1	NWNW	08	T38 0S	R22.0E	S	0	0	0	PA	12/1/1972	6473
4303730114	GULF ENERGY FEDERAL 17-31	NWNE	17	T39 0S	R21.0E	S	0	0	0	PA	8/7/1973	5410
4303730116	MILK RANCH STATE 1	NENE	32	T37 0S	R20.0E	S	0	0	0	PA	8/10/1973	4400
4303730120	UTAH STATE "A" 1	SESW	36	T40 0S	R20.0E	S	0	0	0	PA	10/29/1973	6983
4303730146	MILLS FEE IIA	NWSE	31	T41 0S	R19.0E	S	0	0	0	LA	2/26/1980	
4303730203	FEDERAL 1-A	SESE	09	T41 0S	R18.0E	S	0	0	0	PA	12/5/1950	

4303730204	LOCKHART GOVT 1-3	SWNW	03	T29 05	R20.0E	S	0	0	0	PA	1/10/1975	5014
4303730208	FEDERAL 1-8	SESW	08	T38 05	R22.0E	S	0	0	0	PA	11/6/1974	6500
4303730245	CASEKA 1	SESW	22	T37 05	R21.0E	S	0	0	0	PA	7/1/1975	6120
4303730258	CASEKA 1-A	NWSE	22	T37 05	R21.0E	S	0	0	0	PA	11/11/1975	995
4303730273	COWBOY WEST 1	NESW	20	T39 05	R22.0E	S	0	0	0	PA	4/24/1976	5935
4303730305	FEDERAL 23-29	NESW	29	T38 05	R16.0E	S	0	0	0	PA	11/2/1976	3440
4303730442	BLACK MESA FEDERAL 1-34	SESW	34	T38 05	R21.0E	S	0	0	0	PA	7/22/1978	6392
4303730458	RECTOR FED 1	NWSW	05	T29 05	R21.0E	S	0	0	0	PA	12/3/1978	4220
4303730497	STATE 1	SENE	19	T40 05	R22.0E	S	0	0	0	PA	12/24/1979	5625
4303730507	FRY CANYON 1	SENW	28	T36 05	R16.0E	S	0	0	0	PA	5/28/1980	4626
4303730517	SKYLINE FEDERAL 1-23	SESW	23	T39 05	R21.0E	S	0	0	0	PA	7/6/1979	5798
4303730568	MAVERICK POINT 1	SWSE	27	T36 05	R18.0E	S	0	0	0	LA	1/27/1981	
4303730571	FEDERAL 31-2	SWSW	31	T41 05	R19.0E	S	0	0	0	LA	4/15/1982	
4303730586	FEDERAL 31-1	SWSW	31	T41 05	R19.0E	S	0	0	0	PA		39
4303730600	REDD RANCH 1-34	SESE	34	T33 05	R20.0E	S	0	0	0	PA	8/2/1981	4172
4303730601	TANK MESA FED 1	SESE	01	T40 05	R21.0E	S	0	0	0	PA	1/23/1981	5765
4303730603	STATE 1-16	SENW	16	T39 05	R21.0E	S	0	0	0	PA	4/6/1981	5753
4303730609	TANK MESA FED 3	NWSE	01	T40 05	R21.0E	S	0	0	0	LA	1/4/1982	
4303730616	DUGOUT RANCH 21-2	NENW	02	T32 05	R21.0E	S	0	0	0	PA	3/12/1981	3385
4303730619	FEDERAL 2	NESW	24	T40 05	R22.0E	S	0	0	0	PA	1/28/1981	5638
4303730667	GILLESPIE ST 1-20	SWNE	20	T40 05	R22.0E	S	0	0	0	PA	10/9/1981	6800
4303730668	FEDERAL #1-28	SENW	28	T40 05	R20.0E	S	0	0	0	LA	2/24/1982	
4303730669	WHITE MESA 1-20	SWNW	20	T38 05	R22.0E	S	0	0	0	LA	7/2/1982	
4303730670	FEDERAL 1-8	NESW	08	T38 05	R22.0E	S	0	0	0	PA	6/20/1981	6450
4303730676	STATE 1-23	NESE	23	T40 05	R22.0E	S	0	0	0	PA	6/7/1981	5576
4303730677	RAPOZO FED 29-1	NWSE	29	T38 05	R22.0E	S	0	0	0	PA	5/9/1981	6162
4303730700	TANK MESA UNIT 4	NWSW	07	T40 05	R22.0E	S	0	0	0	LA	5/6/1982	
4303730702	NORTH BLUFF FED 1	NWSW	17	T40 05	R22.0E	S	0	0	0	PA	9/10/1981	5761
4303730709	LADD USA 1	NENE	10	T39 05	R21.0E	S	0	0	0	PA	10/13/1981	6101
4303730712	FISH CREEK FEDERAL 1-A	SESW	11	T39 05	R20.0E	S	0	0	0	PA	1/9/1982	2189
4303730719	FEDERAL 24-2	SWSW	24	T39 05	R21.0E	S	0	0	0	LA	11/12/1982	
4303730720	FEDERAL 1-24	NESW	24	T39 05	R21.0E	S	0	0	0	PA	8/18/1981	5890
4303730750	WHITE MESA FED 1-19	NWNW	19	T38 05	R22.0E	S	0	0	0	PA	4/17/1982	5938
4303730751	DECKER RANCH FED 2	NWNW	17	T39 05	R22.0E	S	0	0	0	PA	4/23/1982	5870
4303730759	DECKER RANCH FED 1	SESW	19	T39 05	R22.0E	S	0	0	0	PA	2/28/1982	5762
4303730769	USA AMOCO L 1	NESW	22	T37 05	R13.0E	S	0	0	0	LA	8/12/1982	
4303730770	USA AMOCO N 1	NESW	24	T37 05	R13.0E	S	0	0	0	LA	8/12/1982	
4303730772	USA AMOCO M 1	SESE	06	T37 05	R13.0E	S	0	0	0	LA	8/12/1982	
4303730777	WHITE MESA FED 42-24	SENE	24	T38 05	R21.0E	S	0	0	0	LA	11/12/1982	
4303730783	REDD RANCH 1-34A	SESE	34	T33 05	R20.0E	S	0	0	0	PA	10/1/1981	5645
4303730790	BLUFF STATE 1	NESW	18	T40 05	R22.0E	S	0	0	0	PA	6/10/1982	5720
4303730795	STATE 14-32	SWSW	32	T38 05	R19.0E	S	0	0	0	PA	8/19/1982	2470
4303730796	STATE 22-36	SENW	36	T39 05	R18.0E	S	0	0	0	LA	6/13/1983	
4303730801	USA 22-27	SENW	27	T39 05	R18.0E	S	0	0	0	PA	9/16/1982	2340
4303730802	USA 21-17	NENW	17	T40 05	R19.0E	S	0	0	0	PA	9/27/1982	1412
4303730803	USA 21-19	NENW	19	T39 05	R19.0E	S	0	0	0	PA	9/1/1982	2361
4303730810	USA 43-11	NESE	11	T40 05	R19.0E	S	0	0	0	LA	9/19/1983	
4303730851	USA 14-18	SWSW	18	T38 05	R19.0E	S	0	0	0	PA	1/6/1983	2514
4303730855	WOODENSHOE FED UNIT 1-11	SWNE	11	T36 05	R17.0E	S	0	0	0	LA	2/1/1985	
4303730863	WHITE MESA FED 42-19	SENE	19	T38 05	R22.0E	S	0	0	0	PA	2/12/1983	6290
4303730873	WHITE MESA FED 1	NWNW	08	T38 05	R22.0E	S	0	0	0	PA	5/6/1983	6479
4303730934	USA AMOCO M 1	SWSW	05	T37 05	R13.0E	S	0	0	0	LA	9/15/1986	
4303730935	USA AMOCO L 1	SENW	22	T37 05	R13.0E	S	0	0	0	LA	9/15/1986	
4303730936	USA AMOCO N 1	NESW	24	T37 05	R13.0E	S	0	0	0	LA	9/15/1986	
4303730985	WRIGHT-ROGERS #4	SWSW	28	T41 05	R18.0E	S	0	0	0	LA	4/11/1985	
4303730986	WRIGHT-ROGERS #3	SESE	28	T41 05	R18.0E	S	0	0	0	PA	4/2/1984	1505
4303730987	WRIGHT-ROGERS #2	NWSW	34	T41 05	R18.0E	S	0	0	0	LA	5/7/1985	
4303730988	WRIGHT-ROGERS #1	NENE	32	T41 05	R18.0E	S	0	0	0	LA	12/21/1984	
4303731002	WRIGHT-ROGERS #6	NESW	15	T41 05	R18.0E	S	0	0	0	PA	5/18/1984	1045
4303731027	WRIGHTS-ROGERS #7	SESW	23	T41 05	R18.0E	S	0	0	0	PA	8/2/1984	1155
4303731070	FEDERAL 1-28	SWNE	28	T40 05	R21.0E	S	0	0	0	PA	10/26/1981	5831
4303731148	WRIGHT-ROGERS #3X	SESE	28	T41 05	R18.0E	S	0	0	0	PA	3/11/1985	1030
4303731158	BOWERS FED 3-23	SWSW	23	T40 05	R22.0E	S	0	0	0	PA	11/11/1985	5630
4303731336	MORMON GIRL 1	NENW	25	T37 05	R18.0E	S	0	0	0	LA	11/3/1987	
4303731337	MANCOS MESA U 1	SESE	02	T37 05	R13.0E	S	0	0	0	PA	11/3/1987	1206
4303731339	BLUFF BENCH STATE 1	NESW	30	T39 05	R22.0E	S	0	0	0	PA	9/17/1987	2630
4303731355	MANCOS MESA U 1-A	SESE	02	T37 05	R13.0E	S	0	0	0	PA	11/4/1987	1971

4303731359	MANCOS MESA U 1-B	SESE	02	T37 0S	R13.0E	S	0	0	0 PA	12/7/1987	2216
4303731362	CYCLONE FLAT 1	SESW	30	T37 0S	R19.0E	S	0	0	0 PA	12/23/1987	2728
4303731363	CYCLONE FLAT 2	NESW	30	T37 0S	R19.0E	S	0	0	0 LA	4/28/1992	
4303731389	CEDAR MESA 1	NENW	31	T37 0S	R19.0E	S	0	0	0 LA	5/4/1988	
4303731424	CEDAR MESA 1	NENW	31	T37 0S	R19.0E	S	0	0	0 PA	8/17/1988	2706
4303731427	CEDAR MESA 2	SENW	31	T37 0S	R19.0E	S	0	0	0 LA	11/13/1989	
4303731428	CYCLONE FLAT 9	SWSE	18	T37 0S	R19.0E	S	0	0	0 LA	11/7/1989	
4303731442	BLUFF BENCH STATE 11-30	NESE	30	T39 0S	R22.0E	S	0	0	0 PA	8/20/1988	5839
4303731480	STATE 24-2	SESW	02	T34 0S	R15.0E	S	0	0	0 LA	2/14/1994	
4303731481	STATE 21-32	NENW	32	T34 0S	R15.0E	S	0	0	0 LA	2/14/1994	
4303731482	STATE 11-36	NWNW	36	T34 0S	R15.0E	S	0	0	0 PA	1/6/1993	414
4303731483	STATE 32-16	SWNE	16	T35 0S	R15.0E	S	0	0	0 PA	1/20/1993	2645
4303731498	FEDERAL 22-12	SENW	12	T34 0S	R14.0E	S	0	0	0 LA	2/14/1994	
4303731499	FEDERAL 33-24	NWSE	24	T34 0S	R14.0E	S	0	0	0 PA	1/19/1993	2700
4303731500	FEDERAL 22-5	SENW	05	T34 0S	R15.0E	S	0	0	0 PA	1/5/1993	2745
4303731501	FEDERAL 33-9	NWSE	09	T34 0S	R15.0E	S	0	0	0 PA	11/2/1992	3400
4303731502	FEDERAL 21-26	NWNW	26	T35 0S	R15.0E	S	0	0	0 LA	3/31/1994	
4303731503	FEDERAL 21-12	NENW	12	T36 0S	R15.0E	S	0	0	0 PA	2/18/1993	2710
4303731699	STATE 11-36X	NWNW	36	T34 0S	R15.0E	S	0	0	0 PA	2/20/1993	2806
4303731788	LOCKHART FED 1	SWNE	05	T29 0S	R21.0E	S	0	0	0 LA	1/23/2004	
4303731792	LOCKHART FED 2	SESE	30	T28 0S	R21.0E	S	0	0	0 LA	1/23/2004	
4303750039	HITE 1	NENW	31	T37 0S	R19.0E	S	0	0	0 DRL		

LIST OF POTASSIUM PROSPECTING PERMIT APPLICATIONS WITHIN THE BEARS EARS NM

<u>Serial #</u>	<u>Applicant</u>	<u>Location</u>	<u>Filing Date</u>
UTU-86426	K2O Resources	T.30S.R.21E. Secs 9,17,21	6/25/2008
UTU-86427	K2O Resources	T.30S.R.21E. Secs 5,8	6/25/2008
UTU-86428	K2O Resources	T.30S.R.21E. Secs 6,7,18	6/25/2008
UTU-86429	K2O Resources	T.29S.R.20E. Secs27,34	6/25/2008
UTU-86430	K2O Resources	T.29S.R.20E. Secs 25,26,35	6/25/2008
UTU-86431	K2O Resources	T.29½S.R.20E. Sec 35	6/25/2008
		T. 30 S.R.20E. Secs 1,12	
UTU-86568	K2O Resources	T. 28 S.R.21 E. Secs 1,3,4	7/31/2008
UTU-86569	K2O Resources	T. 28 S.R.21 E. Secs 5,6,7,18	7/31/2008
UTU-88005	K2O Utah, LLC	T.30S. R22E. Secs. 13-15	6/2/2010
UTU-88006	K2O Utah, LLC	T.30S. R22E. Secs. 9-12	6/2/2010
UTU-88007	K2O Utah, LLC(port unsurvey)	T30S. R22E. Secs. 1,3-5	6/2/2010
UTU-88664	Dakota Salts, LLC	T. 28 S.,R. 21 E. secs 29,30,31	8/23/2011
UTU-88666	Dakota Salts, LLC	T. 28 S.,R. 21 E. secs 19,20	8/23/2011
UTU-88668	Dakota Salts, LLC	T. 29 S.,R. 20 E. secs 10-13	8/23/2011
UTU-88669	Dakota Salts, LLC	T. 29 S.,R. 20 E. secs 14,15,17,20	8/23/2011
UTU-88670	Dakota Salts, LLC	T. 29 S.,R. 20 E. secs 21-24	8/23/2011
UTU-88671	Dakota Salts, LLC	T. 29 S.,R. 21 E. secs 5-8	8/23/2011
UTU-88672	Dakota Salts, LLC	T. 28 S.,R. 20 E. sec 35	8/23/2011
UTU-88673	Dakota Salts, LLC	T. 28 S.,R. 20 E. secs 24-27	8/23/2011
UTU-88674	Dakota Salts, LLC	T. 28 S.,R. 20 E. sec 28,29,33,34	8/23/2011
UTU-88675	Dakota Salts, LLC	T. 27 S.,R. 21 E. secs 26,27,34,35	8/23/2011
UTU-88676	Dakota Salts, LLC	T. 28 S.,R. 20 E. sec 11- 14	8/23/2011

UTU-88677	Dakota Salts, LLC	T. 28 S.,R. 20 E. sec 15,21,22,23	8/23/2011
UTU-88678	Dakota Salts, LLC	T. 27 S.,R. 21 E. secs19- 21,28	8/23/2011
UTU-88679	Dakota Salts, LLC	T. 27 S.,R. 21 E. secs 29-,31,33	8/23/2011
UTU-88680	Dakota Salts, LLC	T. 27 S.,R. 20 E. secs 3-7,15	8/23/2011
UTU-88681	Dakota Salts, LLC	T. 27 S.,R. 20 E. secs 8-10,17	8/23/2011
UTU-88682	Dakota Salts, LLC	T. 27 S.,R. 20 E. secs 18,20,21,28,33	8/23/2011
UTU-88683	Dakota Salts, LLC	T. 27 S.,R. 20 E. secs 22-25	8/23/2011
UTU-88684	Dakota Salts, LLC	T. 27 S.,R. 20 E. secs 26,27,34,35	8/23/2011
UTU-88728	Dakota Salts, LLC	T. 28 S.,R. 20 E. secs 1,3,4,9,10	9/28/2011
UTU-88729	Dakota Salts, LLC	T. 29 S.,R. 20 E. secs ,4,5,8 9	9/28/2011
UTU-88755	Dakota Salts, LLC (unsurvey)	T. 30 S.,R. 22 E. secs 23-26	10/25/2011
UTU-89274	K2O Utah LLC	T.28 S.,R.21E. secs. 17,21,22	8/21/2012
UTU-91260	K2O Resources	T.29 S., R. 21 E. secs 9, 10, 15	7/10/2015

This list is not warranted by the BLM. These prospecting permit applications or portions of these applications appear to be within the noted area.