

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

- [D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply

- [A] Working, Royalty or Overriding Royalty Interest Owners
- [B] Offset Operators, Leaseholders or Surface Owner
- [C] Application is One Which Requires Published Legal Notice
- [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] Waivers are Attached

SWD 1598
 - R360 Permian Basin, LLC
 289936

2015 SEP - 8 P 3:44
 RECEIVED OGD

well
 - West Gramma
 Ridge SWD #1
 30025 - Pending
 Pool
 - SWD, Permian

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Luke Brass		Gov. & Regulatory Affairs/BD	8/28/2015
Print or Type Name	Signature	Title	Date
		lukeb@R360es.com	
		e-mail Address	

WEST GRAMMA RIDGE SWD WELL #1

PERMIT APPLICATION

Unit C (NE/4, NW/4), Section 6

Township 22 South, Range 32 East

Lea County, New Mexico

LAI Project No. 15-0126-00

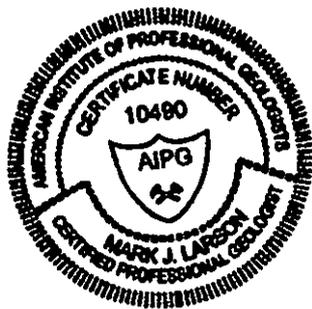
August 28, 2015

Prepared for:

R360 Permian Basin, LLC
3 Waterway Square Place, Suite 110
The Woodlands, Texas 79705

Prepared by:

Larson & Associates, Inc.
507 North Marienfeld, Suite 205
Midland, Texas 79701



Mark J. Larson

Certified Professional Geologist #10490

Michael T. Gant

Staff Geologist

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No
- II. OPERATOR: R360 Permian Basin, LLC (wholly owned subsidiary of Waste Connections, Inc.)
ADDRESS: 3 Waterway Square Place, Suite 110, The Woodlands, TX 77380
CONTACT PARTY: Luke Bross PHONE: (832) 442-2204
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Luke Bross TITLE: Legislative & Regulatory Affairs
SIGNATURE:  DATE: 8/28/2015
E-MAIL ADDRESS: LukeB@R360es.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____



WASTE CONNECTIONS, INC.
Connect with the Future

RECEIVED OCD

2015 SEP -8 P 3:44

August 28, 2015

Mr. Richard Ezeanyim, Bureau Chief
Engineering and Geological Services
New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Commercial SWD Well Application, West Gramma Ridge SWD #1, 360 Permian Basin LLC, Unit C (NE/4, NW/4),
Section 6, Township 22 South, Range 32 East, Lea County, New Mexico**

Dear Mr. Ezeanyim,

R360 Permian Basin, LLC (R360), a wholly owned subsidiary of Waste Connections, Inc., submits the enclosed application to the New Mexico Oil Conservation Division (OCD) to permit, construct and operate a commercial salt water disposal (SWD) well (West Gramma Ridge SWD #1) in Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, in Lea County, New Mexico. The well will be located 1,105' FNL and 1,480' FWL. The well will be located on property owned by the U.S. Government and administered by the Bureau of Land Management (BLM). The well will be used to reinject liquid E & P waste into the Devonian section between 15,550 and 16,500 feet. Notification and a copy of the permit application were sent to the NMOCD District 1 office in Hobbs, New Mexico, surface mineral and lease owners within 1/2 mile of the proposed SWD well. Copies of the notification letters and certified mail receipts are presented in Attachment XIII of the application. Please contact me at (281) 873-3202, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

Legislative & Regulatory Affairs | Development

cc: Maxey Brown – OCD District 1

Encl.



3 Waterway Square Place, Suite 110, The Woodlands, TX 77380

Tel (832) 442-2200 • Fax (832) 442-2290 • www.wasteconnections.com

ATTACHMENT III

Injection Well Data Sheet

West Gamma Ridge SWD #1 Drilling Plan

1. **Location:**

Legal: 1105' FNL 1480' FWL Unit C, T. 22 S, R 32 E. Section 6: NW ¼ - "West Gamma Ridge"
 Lea County, New Mexico

GPS: 32.4247667°, -103.7181333°

O&G Lease#: NMNM-012845

2. **Elevation Above Sea Level: 3,611'**

3. **Geologic Name of Surface Formation: Alluvium**

4. **Proposed Drilling Depth: 16,550'**

5. **Estimated Tops of All Geologic Formations:**

Formation	Estimated Top (feet)	Bearing
Triassic		<10' of perched water @ 40' BGS
Dewey Lake	430	
Salado	520	N/A
Tansil	N/A	N/A
Yates	N/A	N/A
Capitan	N/A	N/A
Delaware Mountain	3830	Hydrocarbons
Bone Spring	7660	Hydrocarbons
Wolfcamp	10,960	Hydrocarbons
Strawn	12,570	Hydrocarbons
Atoka	12,840	Hydrocarbons
Morrow	13,320	Hydrocarbons
Barnett	14,330	Hydrocarbons
Mississippian Lime	14,940	Hydrocarbons
Woodford Shale	15,340	Hydrocarbons
Devonian (Target)	15,550	N/A
Montoya		N/A
Simpson		N/A
Ellenberger		N/A

6. **Proposed Casing Program:**

Name	Hole (inches)	Size (inches)	Setting Depth (Feet)	Grade	Weight (lbs/ft)	Thread	Condition	Burst SF	Coll. SF	Ten. SF
Surface	26	20	1060	J55	106.4	LTC	New	1.2	1.125	1.6
1 st Intermediate	17 ½	13 ¾	3,500	J55	68	LTC	New	1.2	1.125	1.6
2 nd Intermediate	12 ¼	9 ⅝	10,960	L80	53.5	LTC	New	1.2	1.125	1.6
Production	8 ½	7	0-120	HCL80	35	LTC	New	1.2	1.125	1.6
Production	8 ½	7	120-12,230	P-110	29	LTC	New	1.2	1.125	1.6
Production	8 ½	7	12,230-15,550	HCL80	35	LTC	New	1.2	1.125	1.6
Tubing	5 ⅞	4 ½	0-5,000	P-110	11.6	LTC	New	1.2	1.125	1.6
Tubing	5 ⅞	4 ½	5,000-15,550	L-80	11.6	LTC	New	1.2	1.125	1.6
Open Hole	5.875		15,550-16,550	NA	NA	NA	NA			

7. **Drilling Procedure:** Spud well and drill down each interval to total depth of that interval, staying in compliance with OCD/BLM rules and regulations and following this APD drilling plan. Each casing string will be cemented and cement will be circulated to surface. There are DV Tools in the casing strings to insure getting cement all the way to surface. Mud weights are spelled out below in paragraph 10 – Types and Characteristics of mud system. After reaching total casing depth of 15,550', OH Logs (Paragraph 12) will be run 15,550'-10,960' GR-CNL to surf, we will cement the 7" as spelled out in this APD. We will pick up a 5 7/8" bit to drill the injection interval for the open-hole completion; OH logs (see Paragraph 12) will be run TD-15,550'. The depths from 15,550' to 16,550' will not have a casing string, thus an "open-hole" completion. The Devonian target zone for injecting is a depleted zone considered to be under pressured and will be drilled with cut brine 8.4-8.9 PPG. The injection tubing will be set to depth of 15,550' inside the 7". All intervals will be logged prior to running casing per BLM/OCD requirements.

8. **Pressure Controls:**

A 10M 13-5/8" BOP system (Double Ram and Annular preventer) and 2 power chokes installed on manifold and 1 manual choke per BLM Onshore Order 2, will be installed and tested prior to drilling out the surface casing shoe. The BOP system used to drill the intermediate hole will be test per BLM Onshore Oil and Gas Order 2.

A 10M 13-5/8" BOP system (Double Ram and Annular preventer) will be installed and tested prior to drilling out the intermediate casing shoe. The BOP system used to drill the production hole will be test per BLM Onshore Oil and Gas Order 2.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories, include a Kelly cock, floor safety valve, choke lines, and choke manifold rated at 5,000 psi WP.

9. Cement Program:

Surface: Float/Landing Collar set @ 1015'. We will circulate cement to surface

Interval	Amount (sacks)	Ft of Fill	Excess (%)	PPG	Ft ³ /sx	Volume (ft ³)	Cement Type
Lead	820	700	100	13.5	1.69	1386	Class C + 2% Gel + 0.2% Antifoam + 0.125 lb/sk Polyflake
Tail	580	360	100	14.8	1.33	771	Class C + 0.125 lb/sk Polyflake

1st Intermediate: Stage 1 Float/Landing Collar set @ 1800, Stage 2 Collar set @ 1,800'. We will circulate cement to surface.

13 3/8 Contingency Cement design as follows:

If hole conditions warrant and we will adjust DVT depth per circulation requirements. The current estimated setting is 1800' and cement volumes will be adjusted proportionally to maintain equivalent excess in all slurries.

Interval	Amount (sacks)	Ft of Fill	Excess (%)	PPG	Ft ³ /sx	Volume (ft ³)	Cement Type
Stage 1 Lead	284	500'	100	11.9	2.45	695	Class C + 2% Sodium Metasilicate + 0.1% Dispersant + 0.2% Antifoam + 0.2% Retarder
Stage 1 Tail	652	600'	100	14.8	1.33	868	Class C + 0.125 lbs/sk Polyflake
Stage 2 Lead	804	1550'	100	11.9	2.45	1969	Class C + 2% Sodium Metasilicate + 0.1% Dispersant + 0.2% Antifoam
Stage 2 Tail	259	250'	100	14.8	1.34	348	Class C + 1% Calcium Chloride + 0.125 lbs/sk Polyflake

2nd Intermediate: Stage 1 Float/Landing Collar set @ 10,915', Stage 2 Collar set @ 3830'

9 5/8 Contingency Cement design as follows:

If hole conditions warrant and we will adjust ECP/DVT depth per circulation requirements. The current estimated setting is 3830' and cement volumes will be adjusted proportionally to maintain equivalent excess in all slurries.

Interval	Amount (sacks)	Ft of Fill	Excess (%)	PPG	Ft ³ /sx	Volume (ft ³)	Cement Type
Stage 1 Lead	513	2700	50	11	2.47	695	TXI + 2% Sodium Metasilicate + 0.2 % Dispersant + 0.2% Antifoam + 0.4% Retarder
Stage 1 Tail	237	600	50	14.8	1.33	868	Class C + 0.3% Retarder + 0.2% Antifoam
Stage 2 Lead	1252	7360	50	11.9	2.45	1969	Class C + 2% Sodium Metasilicate + 0.2 % Dispersant + 0.2% Antifoam + 0.4% Retarder
Stage 2 Tail	106	300	50	14.8	1.34	141	Class C + 1% Calcium Chloride + 0.125 lbs/sk Polyflake

Production: Stage 1 Float/Landing Collar set @ 15,505', Stage 2 Collar set @ 10,600', Stage 3 Collar set @ 7660'. We will circulate cement to surface.

7" Contingency Cement design as follows:

If hole conditions warrant and we will adjust ECP/DVT depth per circulation requirements. The current estimated setting is 7660' and 10,600' cement volumes will be adjusted proportionally to maintain equivalent excess in all slurries.

Interval	Amount (sacks)	Ft of Fill	Excess (%)	PPG	Ft ³ /sx	Volume (ft ³)	Cement Type
Stage 1 Lead	653	4450	50	13.5	1.29	842	TXI + 1.5 gal/sk GASBLOK + 0.08 gal/sk D80 Dispersant + 0.04 gal/sk D801 Retarder + 0.05 gal/sk D175A Antifoam + 2% D176 Expanding Agent
Stage 1 Tail	141	600	50	16.4	1.09	130	Class H + 0.4% D167 Fluid loss + 0.3% D800 Retarder + 2% D176 Expanding agent
Stage 2 Lead	305	4834	25	11.5	2.39	728	TXI + 10% D154 Extender + 0.6% D112 Fluid loss + 0.1% D208 Viscosifier + 3% D174 Expanding Agent + 4 lbs/sk Mica + 0.2% D65 Dispersant
Stage 2 Tail	100	500	25	16.4	1.09	109	Class H + 0.4% D167 Fluid loss + 0.3% D800 Retarder + 2% D176 Expanding agent
Stage 3 Lead	312	4590	25	11.5	2.16	674	TXI + 1.5% D79 Sodium Metasilicate + 5% D154 Extender + 1% D112 Fluid Loss + 0.2% D65 Dispersant + 0.2% D46 Antifoam
Stage 3 Tail	65	586	25	14.8	1.34	84	Class C + 0.3% D167 Fluid loss + 0.2% D13 Retarder + 0.2% D65 Dispersant

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The contingency ECP/DVT tool setting depth may change and cement will be adjusted accordingly.

10. **Type and Characteristics of Mud System:**

Depth MD/TVD (ft)	Mud Type	Mud Density (ppg)	Viscosity (sec/1000cc)	Plastic Viscosity (cP)	Yield Point (lb/100ft ²)	API Fluid Loss (cc)	pH	LGS %
120 – 450	New Gel/Soda Spud Mud	8.8 – 9.2	60 – 70	12 – 28	12 – 34	20	+/-9.0	<6
450 – 2,900	Brine Water	10.0 – 10.1	29 – 30	0 – 1	0 – 1	NC	9.5 – 10.0	<6
2,900 – 7660	Existing Brine to New Zan D/White Starchy/ Barite	10.0-10.1	29 – 30	0 – 1	0 – 1	NC	9.5 – 10.0	<6
7660 – 15,550		10.1 – 11.5	36 – 44	6 – 14	12 – 18	10 – 12	9.5 – 10.0	<6
15,550' 16,550	Cut brine	8.4 - 8.9	28 - 30	0 - 1	0 - 1	NC	9. – 9.5	<6

Our goal for all DVT and ECP is to run with full intentions of running the 2 stage job. This will help insure good tail cement and help insure cement to surface.

11. **Air Drilling Description:** Not applicable.
12. **Testing, Coring, and Logging Procedures:**
 - A. Mud logging program: 2 man unit from 2,900' (setting depth of salt string) to TD.
 - B. Electric logging program: open hole logs CNL / LDT / CAL / GR, DLL / SGR (CNL/GR from base of Intermediate casing to surface) from 15,550 to Intermediate casing and TD-15,550
Cased Hole Logs
 CBL w/ CCL from base of Intermediate casing to surface (if cement is not circulated to surface)
 CBL w/ CCL from production casing DV tool at 8,000' to 3,000' (estimated top of cement at 4,000')
 - C. No DST's or cores are planned
 - D. Sonic log: not required but available if needed
13. **Expected Bottom Hole Pressure and Temperature:** 6,440 psi , 170° F.
14. **Abnormal Conditions:**
15. **H₂S Plan:** Breathing equipment will be available on location. If H₂S is encountered the operator will comply with the Onshore Oil and Gas Order No. 6. The H₂S measured amounts and formation will be reported to the BLM. Please see the attached H₂S Plan and the H₂S awareness map.
16. **Directional or Horizontal Survey:** The well is neither directional nor horizontal.
17. **Unit Well Current Unit POD:** The well is not in a unit or current unit POD.
18. **Work Schedule:** To be determined.

19. **Completion plans:** MIRU well service unit. PU 2 7/8" PH-6 work string. TIH, release retrievable bridge plug and pull out of hole. Pick up treating packer. TIH to 15,500' and set. Test back side to 1000 psi. Acidize down tubing with five stages – 8000 gallons 15% HCL each stage followed by 1500 lbs of rock salt each stage. Release packer and pull out of hole.
- Trip in hole with tubing with notched collar. Circulate clean to TD. Pull out of the hole and pick up 7" Arrow Set 1X packer. Trip in the hole to 15,500'. Set blanking plug and on/off tool. Release packer and pull out of hole, laying down 2 7/8" work string. Pick up 4 1/2" lined injection tubing. Trip in hole and get on/off tool. Release packer. Space out. Reset packer. Release on/off tool again. Circulate packer fluid. Get back on on/off tool. Nipple down BOP and nipple up well head. Schedule and perform MIT on tubing casing annulus per OCD and BLM guidelines. Turn well over to R360 for plumbing up surface facilities.

ATTACHMENT IV

The permit application is NOT an expansion of an existing project

ATTACHMENT V

Well and Lease Maps

TABLE OF ACTIVE WELLS/ OPERATORS WITHIN TWO MILES OF THE PROPOSED WEST GRAMMA RIDGE SWD #1

R360 Permian Basin, LLC

API #	Operator	Lease	Well #	County	Legal	Total depth (ft)	Well Status
30-025-41088	OXY USA INC	CABIN LAKE FEDERAL COM	6H	LEA	S:31, T:21S, R:32E, UNIT M	7309	ACTIVE OIL
30-025-31394	COLLINS & WARE INC	BW 31 FEDERAL	1	LEA	S:31, T:21S, R:32E, UNIT M	8560	PLUGGED
30-025-31403	POGO PRODUCING CO	FEDERAL 6	1	LEA	S:6, T:22S, R:32E, UNIT D	8600	PLUGGED
30-025-31400	OXY USA INC	FEDERAL 6	2	LEA	S:6, T:22S, R:32E, UNIT E		ACTIVE OIL
30-025-31227	YATES PETROLEUM CORPORATION	ROSEMARY SWD	1	LEA	S:6, T:22S, R:32E, UNIT L	8600	ACTIVE SWD
30-015-27694	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	8	EDDY	S:36, T:21S, R:31E, UNIT P	8530	ACTIVE OIL
30-015-26786	YATES PETROLEUM CORPORATION	UNOCAL AH U FEDERAL	2	EDDY	S:1, T:22S, R:31E, UNIT A	8560	ACTIVE OIL
30-015-26849	COG OPERATING LLC	UNOCAL HPC FEDERAL	2	EDDY	S:1, T:22S, R:31E, UNIT H	8532	ACTIVE OIL
30-025-27779	CONOCO PHILLIPS COMPANY	BILBREY 29 FEDERAL COM	1	LEA	S:29, T:21S, R:32E, UNIT K	14720	ACTIVE GAS
30-025-33647	CHI OPERATING INC	BILBREY 30 FEDERAL	5	LEA	S:30, T:21S, R:32E, UNIT J	8916	PLUGGED
30-025-31442	POGO PRODUCING CO	LUKE FEDERAL	2	LEA	S:31, T:21S, R:32E, UNIT D	8585	PLUGGED
30-025-31443	TLT SWD, LLC	LOST TANK SWD	1	LEA	S:31, T:21S, R:32E, UNIT E	8364	ACTIVE SWD
30-025-31089	OXY USA INC	FEDERAL 31	1	LEA	S:31, T:21S, R:32E, UNIT I	14833	ACTIVE GAS
30-025-35946	CIMAREX ENERGY CO OF COLORADO	BILBREY 32 STATE COM	2	LEA	S:32, T:21S, R:32E, UNIT K	14503	PLUGGED
30-025-30886	CONOCO PHILLIPS COMPANY	BILBREY 32 STATE COM	1	LEA	S:32, T:21S, R:32E, UNIT F	14900	PLUGGED
30-025-26986	CONOCO PHILLIPS COMPANY	GETTY 32 STATE COM	1	LEA	S:32, T:21S, R:32E, UNIT G	15000	PLUGGED
30-025-27473	KAISER-FRANCIS OIL CO	FEDERAL CK COM	1	LEA	S:6, T:22S, R:32E, UNIT H	15018	PLUGGED
30-025-27672	YATES PETROLEUM CORPORATION	BILBREY SWD	1	LEA	S:5, T:22S, R:32E, UNIT B	14915	ACTIVE SWD
30-025-40987	DEVON ENERGY PRODUCTION COMPANY, LP	BILBREY BASIN S STATE COM	1H	LEA	S:5, T:22S, R:32E, UNIT N	10560	ACTIVE OIL
30-025-31076	YATES PETROLEUM CORPORATION	FLAMENCO FEDERAL	1	LEA	S:7, T:22S, R:32E, UNIT L	8537	ACTIVE SWD
30-025-33650	OXY USA INC	EAST LIVINGSTON RIDGE UNIT	12	LEA	S:7, T:22S, R:32E, UNIT I	7364	ACTIVE OIL
30-025-32464	OXY USA INC	EAST LIVINGSTON RIDGE UNIT	6	LEA	S:7, T:22S, R:32E, UNIT P	7400	ACTIVE OIL
30-025-34170	OXY USA INC	EAST LIVINGSTON RIDGE UNIT	5	LEA	S:7, T:22S, R:32E, UNIT O	7350	ACTIVE OIL
30-025-32709	OXY USA INC	FEDERAL 8 COM	1	LEA	S:8, T:22S, R:32E, UNIT G	15100	ACTIVE GAS
30-025-31926	YATES PETROLEUM CORPORATION	CLEARY FEDERAL SWD	2	LEA	S:17, T:22S, R:32E, UNIT D	8740	ACTIVE SWD
30-025-32324	OXY USA INC	LIVINGSTON RIDGE 18 FEDERAL	3	LEA	S:18, T:22S, R:32E, UNIT D	8600	PLUGGED
30-025-31729	OXY USA INC	EAST LIVINGSTON RIDGE UNIT	1	LEA	S:18, T:22S, R:32E, UNIT A	8780	ACTIVE OIL
30-015-39830	YATES PETROLEUM CORPORATION	WOLF AJA FEDERAL	18H	EDDY	S:25, T:21S, R:31E, UNIT H	7163	ACTIVE OIL
30-015-39966	YATES PETROLEUM CORPORATION	WOLF AJA FEDERAL	20H	EDDY	S:25, T:21S, R:31E, UNIT I		NEW OIL
30-015-39965	YATES PETROLEUM CORPORATION	WOLF AJA FEDERAL	19H	EDDY	S:25, T:21S, R:31E, UNIT I		NEW OIL
30-015-39829	YATES PETROLEUM CORPORATION	WOLF AJA FEDERAL	17H	EDDY	S:25, T:21S, R:31E, UNIT H		ACTIVE OIL
30-015-26816	YATES PETROLEUM CORPORATION	WOLF AJA FEDERAL	5	EDDY	S:25, T:21S, R:31E, UNIT H	8550	ACTIVE OIL
30-015-26777	YATES PETROLEUM CORPORATION	WOLF AJA FEDERAL	4	EDDY	S:25, T:21S, R:31E, UNIT I	8600	ACTIVE OIL
30-015-27225	MARALO LLC	MR. 25 FEDERAL	1	EDDY	S:25, T:21S, R:31E, UNIT P		PLUGGED
30-015-39994	DEVON ENERGY PRODUCTION COMPANY, LP	SHAQTUS 26 STATE COM	3H	EDDY	S:35, T:21S, R:31E, UNIT B	7997	ACTIVE OIL
30-015-33434	OXY USA INC	LOST TANK 35 STATE	14	EDDY	S:35, T:21S, R:31E, UNIT B	8423	ACTIVE OIL
30-015-40012	DEVON ENERGY PRODUCTION COMPANY, LP	SHAQTUS 26 STATE COM	4H	EDDY	S:35, T:21S, R:31E, UNIT A	8041	ACTIVE OIL
30-015-33445	OXY USA INC	LOST TANK 35 STATE	130	EDDY	S:35, T:21S, R:31E, UNIT A	8350	ACTIVE OIL
30-015-32512	OXY USA INC	LOST TANK 35 STATE	10	EDDY	S:35, T:21S, R:31E, UNIT G	8380	ACTIVE OIL
30-015-32511	OXY USA INC	LOST TANK 35 STATE	9	EDDY	S:35, T:21S, R:31E, UNIT H	8410	ACTIVE OIL
30-015-31640	OXY USA INC	LOST TANK 35 STATE	7	EDDY	S:35, T:21S, R:31E, UNIT K	8340	ACTIVE OIL
30-015-32352	OXY USA INC	LOST TANK 35 STATE	6	EDDY	S:35, T:21S, R:31E, UNIT J	8350	ACTIVE OIL
30-015-31608	OXY USA INC	LOST TANK 35 STATE	3	EDDY	S:35, T:21S, R:31E, UNIT N	8250	ACTIVE OIL
30-015-32354	OXY USA INC	LOST TANK 35 STATE	2	EDDY	S:35, T:21S, R:31E, UNIT O	8300	ACTIVE OIL
30-015-31361	OXY USA INC	LOST TANK 35 STATE	1	EDDY	S:35, T:21S, R:31E, UNIT P	8500	ACTIVE OIL
30-015-40890	OXY USA INC	LOST TANK 35 STATE SWD	1	EDDY	S:35, T:21S, R:31E, UNIT J		NEW SWD

30-015-26584	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	1	EDDY	S:36, T:21S, R:31E, UNIT I	8550	ACTIVE OIL
30-015-26585	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	2	EDDY	S:36, T:21S, R:31E, UNIT O	8500	ACTIVE OIL
30-015-26586	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	3	EDDY	S:36, T:21S, R:31E, UNIT N	8620	ACTIVE OIL
30-015-26625	YATES PETROLEUM CORPORATION	MARY AIV STATE	1	EDDY	S:36, T:21S, R:31E, UNIT G	8470	PLUGGED
30-015-26715	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	4	EDDY	S:36, T:21S, R:31E, UNIT K	8450	ACTIVE OIL
30-015-26716	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	5	EDDY	S:36, T:21S, R:31E, UNIT M	8440	ACTIVE OIL
30-015-26729	YATES PETROLEUM CORPORATION	MARY AIV STATE	3	EDDY	S:36, T:21S, R:31E, UNIT B	8500	ACTIVE OIL
30-015-26751	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	6	EDDY	S:36, T:21S, R:31E, UNIT J	8610	ACTIVE OIL
30-015-26760	YATES PETROLEUM CORPORATION	MARY AIV STATE	5	EDDY	S:36, T:21S, R:31E, UNIT A	8565	ACTIVE OIL
30-015-26794	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	8	EDDY	S:36, T:21S, R:31E, UNIT P	8530	ACTIVE OIL
30-015-32522	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	10	EDDY	S:36, T:21S, R:31E, UNIT L	8508	PLUGGED
30-015-32527	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	7	EDDY	S:36, T:21S, R:31E, UNIT F	8500	ACTIVE OIL
30-015-42239	YATES PETROLEUM CORPORATION	WOLF AJA FEDERAL	21H	EDDY	S:36, T:21S, R:31E, UNIT L	8074	ACTIVE OIL
30-015-42512	YATES PETROLEUM CORPORATION	WOLF AJA FEDERAL	15H	EDDY	S:36, T:21S, R:31E, UNIT B		NEW OIL
30-015-43098	YATES PETROLEUM CORPORATION	SHEEP BTS STATE COM	1H	EDDY	S:36, T:21S, R:31E, UNIT K		NEW OIL
30-015-26875	YATES PETROLEUM CORPORATION	GRAHAM AKB STATE	1	EDDY	S:2, T:22S, R:31E, UNIT A	8450	ACTIVE OIL
30-015-26876	YATES PETROLEUM CORPORATION	GRAHAM AKB STATE	2	EDDY	S:2, T:22S, R:31E, UNIT H	8400	ACTIVE OIL
30-015-26877	OXY USA INC	STATE 2	3	EDDY	S:2, T:22S, R:31E, UNIT I		ACTIVE OIL
30-015-26894	OXY USA INC	STATE 2	1	EDDY	S:2, T:22S, R:31E, UNIT P		ACTIVE OIL
30-015-26973	YATES PETROLEUM CORPORATION	FLORA AKF STATE	1	EDDY	S:2, T:22S, R:31E, UNIT N	8325	ACTIVE OIL
30-015-26974	YATES PETROLEUM CORPORATION	FLORA AKF STATE	2	EDDY	S:2, T:22S, R:31E, UNIT K	8322	ACTIVE OIL
30-015-28416	OXY USA INC	STATE 2	2	EDDY	S:2, T:22S, R:31E, UNIT O	8354	ACTIVE OIL
30-015-28456	OXY USA INC	STATE 2	4	EDDY	S:2, T:22S, R:31E, UNIT J	8350	ACTIVE OIL
30-015-31604	YATES PETROLEUM CORPORATION	GRAHAM AKB STATE	3	EDDY	S:2, T:22S, R:31E, UNIT B	8404	PLUGGED
30-015-31605	YATES PETROLEUM CORPORATION	GRAHAM AKB STATE	4	EDDY	S:2, T:22S, R:31E, UNIT G	8370	ACTIVE OIL
30-015-31911	YATES PETROLEUM CORPORATION	GRAHAM AKB STATE	5	EDDY	S:2, T:22S, R:31E, UNIT C	8406	ACTIVE OIL
30-015-31912	YATES PETROLEUM CORPORATION	GRAHAM AKB STATE	6	EDDY	S:2, T:22S, R:31E, UNIT F	8400	PLUGGED
30-015-32440	OXY USA INC	STATE 2	5	EDDY	S:2, T:22S, R:31E, UNIT P	8450	ACTIVE WATER INJECTION
30-015-23655	POGO PRODUCING CO (PRE-ONGARD)	SCL FEDERAL (PRE-ONGARD)	1	EDDY	S:1, T:22S, R:31E, UNIT M		PLUGGED
30-015-26698	YATES PETROLEUM CORPORATION	UNOCAL AH U FEDERAL	1	EDDY	S:1, T:22S, R:31E, UNIT B	8500	ACTIVE OIL
30-015-26774	COG OPERATING LLC	UNOCAL-HPC FEDERAL	1	EDDY	S:1, T:22S, R:31E, UNIT G	8461	ACTIVE OIL
30-015-26775	OXY USA INC	FEDERAL 1	1	EDDY	S:1, T:22S, R:31E, UNIT K		ACTIVE OIL
30-015-26815	LEGACY RESERVES OPERATING, LP	MOLLY STATE	1	EDDY	S:1, T:22S, R:31E, UNIT C		ACTIVE OIL
30-015-26828	OXY USA INC	FEDERAL 1	2	EDDY	S:1, T:22S, R:31E, UNIT J		ACTIVE OIL
30-015-26829	OXY USA INC	FEDERAL 1	3	EDDY	S:1, T:22S, R:31E, UNIT I		ACTIVE OIL
30-015-26830	LEGACY RESERVES OPERATING, LP	MOLLY STATE	2	EDDY	S:1, T:22S, R:31E, UNIT F		ACTIVE OIL
30-015-26831	LEGACY RESERVES OPERATING, LP	MOLLY STATE	3	EDDY	S:1, T:22S, R:31E, UNIT D		ACTIVE OIL
30-015-26843	OXY USA INC	FEDERAL 1	4	EDDY	S:1, T:22S, R:31E, UNIT L		ACTIVE OIL
30-015-26855	LEGACY RESERVES OPERATING, LP	MOLLY STATE	4	EDDY	S:1, T:22S, R:31E, UNIT E		ACTIVE OIL
30-015-26909	OXY USA INC	FEDERAL 1	5	EDDY	S:1, T:22S, R:31E, UNIT M		ACTIVE OIL
30-015-26910	OXY USA INC	FEDERAL 1	6	EDDY	S:1, T:22S, R:31E, UNIT N		ACTIVE OIL
30-015-26988	OXY USA INC	FEDERAL 1	7	EDDY	S:1, T:22S, R:31E, UNIT O		ACTIVE OIL
30-015-26650	YATES PETROLEUM CORPORATION	MARTHA AIK FEDERAL	2	EDDY	S:11, T:22S, R:31E, UNIT I	8450	ACTIVE OIL
30-015-26908	YATES PETROLEUM CORPORATION	MARTHA AIK FEDERAL	5	EDDY	S:11, T:22S, R:31E, UNIT H	8420	ACTIVE OIL
30-015-26960	YATES PETROLEUM CORPORATION	MARTHA AIK FEDERAL	6	EDDY	S:11, T:22S, R:31E, UNIT A	8410	ACTIVE OIL
30-015-37509	YATES PETROLEUM CORPORATION	MARTHA AIK FEDERAL	10H	EDDY	S:11, T:22S, R:31E, UNIT I	7984	ACTIVE OIL
30-015-37510	YATES PETROLEUM CORPORATION	MARTHA AIK FEDERAL	11H	EDDY	S:11, T:22S, R:31E, UNIT I	7045	ACTIVE OIL
30-015-37511	YATES PETROLEUM CORPORATION	MARTHA AIK FEDERAL	13H	EDDY	S:11, T:22S, R:31E, UNIT H	12600	ACTIVE OIL
30-015-39733	YATES PETROLEUM CORPORATION	MARTHA AIK FEDERAL	8H	EDDY	S:11, T:22S, R:31E, UNIT A	8827	ACTIVE OIL
30-015-40051	YATES PETROLEUM CORPORATION	MARTHA AIK FEDERAL	7H	EDDY	S:11, T:22S, R:31E, UNIT H	7966	ACTIVE OIL
30-015-24232	OXY USA INC	SCL FEDERAL	2	EDDY	S:12, T:22S, R:31E, UNIT G	14928	PLUGGED
30-015-26742	OXY USA INC	FEDERAL 12	1	EDDY	S:12, T:22S, R:31E, UNIT M	8439	ACTIVE SWD
30-015-26780	OXY USA INC	FEDERAL 12	2	EDDY	S:12, T:22S, R:31E, UNIT L		ACTIVE OIL
30-015-26858	OXY USA INC	FEDERAL 12	3	EDDY	S:12, T:22S, R:31E, UNIT N		ACTIVE OIL
30-015-26859	OXY USA INC	FEDERAL 12	4	EDDY	S:12, T:22S, R:31E, UNIT E		ACTIVE OIL
30-015-26860	OXY USA INC	FEDERAL 12	5	EDDY	S:12, T:22S, R:31E, UNIT D		ACTIVE OIL
30-015-26917	OXY USA INC	FEDERAL 12	6	EDDY	S:12, T:22S, R:31E, UNIT K		ACTIVE OIL
30-015-26918	OXY USA INC	FEDERAL 12	7	EDDY	S:12, T:22S, R:31E, UNIT F		ACTIVE OIL
30-015-26942	OXY USA INC	FEDERAL 12	8	EDDY	S:12, T:22S, R:31E, UNIT C		ACTIVE OIL
30-015-26971	OXY USA INC	FEDERAL 12	9	EDDY	S:12, T:22S, R:31E, UNIT O	8535	ACTIVE OIL
30-015-35291	OXY USA INC	FEDERAL 12	12	EDDY	S:12, T:22S, R:31E, UNIT J		NEW OIL
30-015-35355	OXY USA INC	FEDERAL 12	13	EDDY	S:12, T:22S, R:31E, UNIT B		NEW OIL
30-015-40821	OXY USA INC	FEDERAL 12	14H	EDDY	S:12, T:22S, R:31E, UNIT P	10414	ACTIVE OIL
30-015-32761	CHEVRON USA INC	NEFF 13 FEDERAL	16	EDDY	S:13, T:22S, R:31E, UNIT A	8600	ACTIVE OIL

.5 mile AOR of West Gramma Ridge SWD

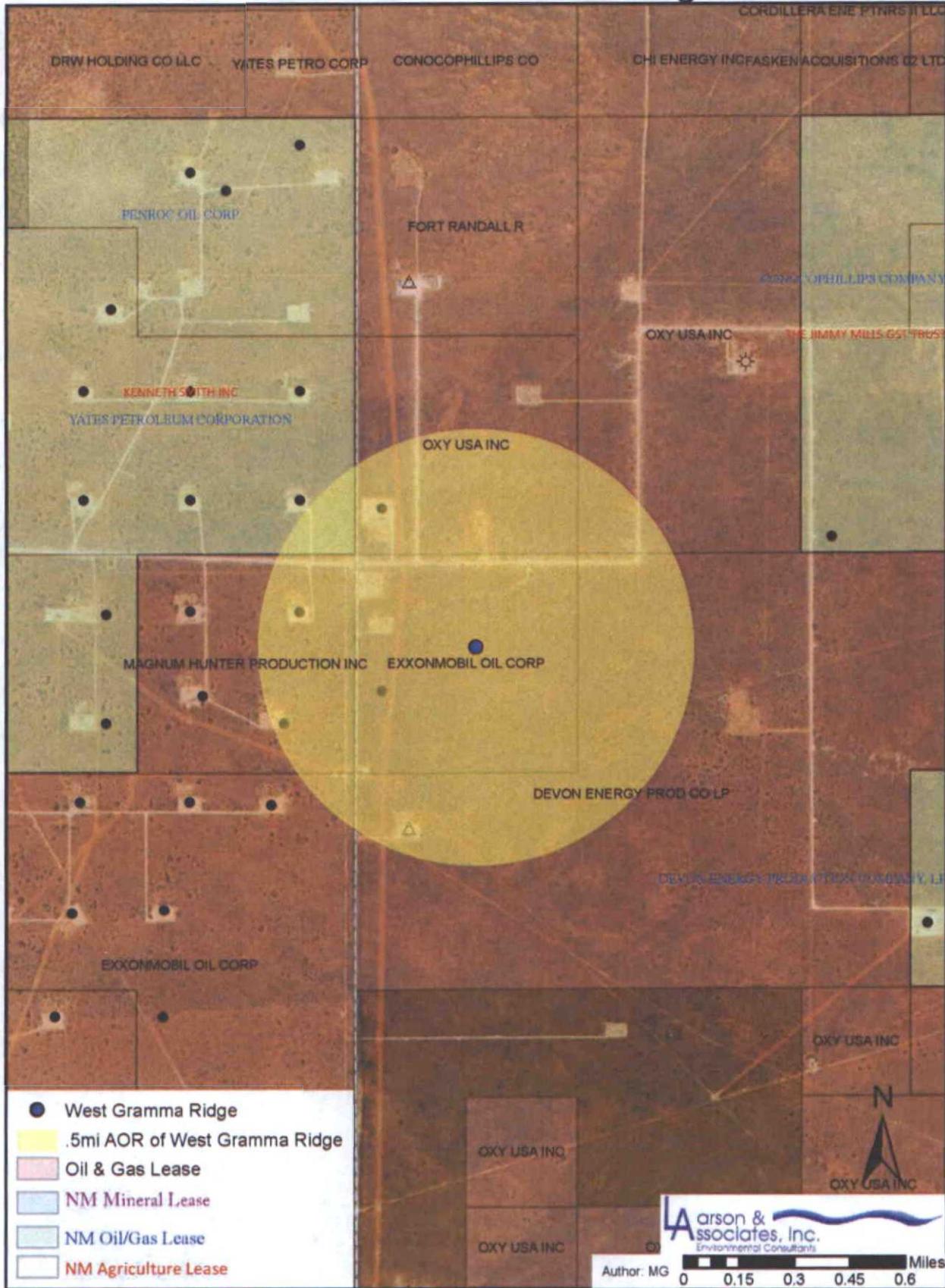


TABLE OF ACTIVE WELLS/ OPERATORS WITHIN THE AREA OF REVIEW OF THE PROPOSED WEST GRAMMA RIDGE SWD #1

R360 Permian Basin, LLC

API #	Operator	Lease	Well #	County	Legal	Total depth (ft)	Well Status
30-015-26786	YATES PETROLEUM CORPORATION	UNOCAL AH U FEDERAL	2	EDDY	S:1, T:22S, R:31E, UNIT A	8560	ACTIVE OIL
30-015-26849	COG OPERATING LLC	UNOCAL HPC FEDERAL	2	EDDY	S:1, T:22S, R:31E, UNIT H	8532	ACTIVE OIL
30-015-27694	YATES PETROLEUM CORPORATION	LOST TANK AIS STATE	8	EDDY	S:36, T:21S, R:31E, UNIT P	8530	ACTIVE OIL
30-025-31227	YATES PETROLEUM CORPORATION	ROSEMARY SWD	1	LEA	S:6, T:22S, R:32E, UNIT L	8600	ACTIVE SWD
30-025-31394	COLLINS & WARE INC	BW 31 FEDERAL	1	LEA	S:31, T:21S, R:32E, UNIT M	8560	PLUGGED
30-025-31400	OXY USA INC	FEDERAL 6	2	LEA	S:6, T:22S, R:32E, UNIT E		ACTIVE OIL
30-025-31403	POGO PRODUCING CO	FEDERAL 6	1	LEA	S:6, T:22S, R:32E, UNIT D	8600	PLUGGED
30-025-41088	OXY USA INC	CABIN LAKE FEDERAL COM	6H	LEA	S:31, T:21S, R:32E, UNIT M	7309	ACTIVE OIL

JACK C. MAGEE
Independent Petroleum Landman
8805 ECR 103
Midland, Texas 79706

695-28-1895 cell

mageelaw@midconetwork.com

June 23, 2015

Mark Larson
Larson & Associates, Inc.
507 N. Marienfeld, Suite 200
Midland, TX 79702

Re: West Gramma Ridge SWD #1
Section 6, T22S-R32E
Lea County, NM

Dear Mr. Larson:

You asked for an Report of "owners" within ½ mile of your proposed West Gramma Ridge SWD #1 disposal well being permitted in the captioned Section 6.

In this connection I researched the abstract tract records of Caprock Title Company in Midland, Texas; examined the abstract of title prepared by Schutz Abstract and the public website records of the Bureau of Land Management (BLM); the public website of the New Mexico Oil Conservation Commission (NMOCD); the public website of the State of New Mexico Land System; and the Lea County, NM Tax Assessor's public website.

Based on the material examined, I am attaching a Report of the surface owners and "affected persons" being any unleased mineral owner, or Lessee if not producing, or Operator if producing. I am also attaching copies of relevant information used in preparing the Report.

I also wish to bring to your attention that some of the Lessees named in my Report may not be current due to the lack of updated information being filed of record either with the BLM or in the county records and no attempt has been made to independently tract down the heirs or devisees of any person shown of record.

Thank you and please do not hesitate to call should you have any questions or comments.

Sincerely,



Jack C. Magee

Encl.

**WEST GRAMMA RIDGE SWD #1: OWNERS WITHIN 1/2 MILE RADIUS
LEA COUNTY and EDDY COUNTY, NM**

Section 6, Township 22 South, Range 32 East, NMPPM - Lea County

Surface Owners

**Lots 1, 2, 3, 4, 5, 6, 7, S/2 NE/4, E/2 SW/4, W/2 SE/4,
S/2 NE/4, SE/4 NW/4**

United States Dept of the Interior
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220

Oil & Gas Lessees/Operators

Lots 1, 2, 6, 7, S/2 NE/4, E/2 SW/4, W/2 SE/4

Lease: NM 131588 issued 2/1/2014.

Operating Rights Owner(s)/Lessee(s)

Devon Energy Production Company, LP
333 West Sheridan Avenue
Oklahoma City, OK 73102

Lots 3, 4, 5, SE/4 NW/4

Lease: NM 12845 issued 2/1/1971.

Operating Rights Owner(s)/Lessee(s)

Exxon Mobil Oil Corporation
P.O. Box 4358
Houston, TX 77210

The Long Trusts
P.O. Box 3096
Kilgore, TX 75663

PXP Producing Co., LLC
700 Milam Street, Suite 3100
Houston, TX 77002

Torch Oil & gas Co.
1221 Lamar Street #1600
Houston, TX 77010

Lobos Energy Partners, LLC
309 South Halagueno Street
Carlsbad, NM 88220

OXY USA, Inc.
P.O. Box 27570
Houston, TX 77227

Midwest Resources 2001-1 Oil & Gas Income Limited
Partnership
2511 North 124th Street, Suite 105
Brookfield, WI 53005

NOTE:

The Schutz Abstract stated it was not able to determine the operating rights owners from the instruments filed of record with the BLM. While there does appear appear to be overconveyances of interest, after reviewing the Schutz runsheet, the above listed names appear to be the correct operating rights owners.

Potash Lessees

Lots 1, 2, 3, 4, 5, 6, 7, S/2 NE/4, E/2 SW/4, W/2 SE/4,
S/2 NE/4, SE/4 NW/4

Section 6 is within the federally
"Designated Potash Area".

No current Potash lease found of record.

Section 31, Township 21 South, Range 32 East, NMPM - Lea County

Surface Owners

Lots 3, 4, E/2 SW/4, NW/4 SE/4, S/2 SE/4

United States Dept of the Interior
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220

Oil & Gas Lessees/Operators

Lots 3, 4, E/2 SW/4

Lease: NM 109757 issued 3/1/2003

Operator: Cabin Lake 31 Federal Com #6H

OXY USA, Inc.
P.O. Box 27570
Houston, TX 77227

NW/4 SE/4, S/2 SE/4

Lease: NM 42814 issued 4/1/1981

Operating Rights Owner(s)/Lessee(s)

OXY USA, Inc.
P.O. Box 27570
Houston, TX 77227

Potash Lessees

Lots 3, 4, E/2 SW/4, NW/4 SE/4, S/2 SE/4

Section 31 is within the federally
"Designated Potash Area".

No current Potash lease found of record.

Section 36, Township 21 South, Range 31 East, NMPM - Eddy County

Surface Owners

E/2 SE/4

State of New Mexico
New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, NM 87501

Oil & Gas Lessees/Operators

E/2 SE/4

Lease V-1673 dated 1/1/1986

Operator: Lost Tank Delaware No. 8 Well
Yates Petroleum Corp.
105 South 4th Street
Artesia, NM 88210

Potash Lessees

E/2 SE/4

Section 36 is within the federally
"Designated Potash Area".

No current Potash lease found of record.

Section 1, Township 22 South, Range 31 East, NMPM - Eddy County

Surface Owners

Lot 1, SE/4 NE/4, NE/4 SE/4

United States Dept of the Interior
Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220

Oil & Gas Lessees/Operators

Lot 1: from the surface to the base of the Delaware formation

Lease NM 43556 issued 8/1/1981

Operating Rights Owners

Yates Petroleum Corporation
105 South 4th Street
Artesia, NM 88210

ABO Petroleum Corporation
105 South 4th Street
Artesia, NM 88210

Myco Industries, Inc.
105 South 4th Street
Artesia, NM 88210

OXY USA, Inc.
P.O. Box 27570
Houston, TX 77227

SE/4 NE/4: from the surface to the base of the Delaware formation

Lease NM 43556 issued 8/1/1981

Operating Rights Owners

Marob Energy Corporation
P.O. Box 227
Artesia, NM 88211

J. Hiram Moore, Ltd.
P.O. Box 1733
Midland, TX 79702

Jerry L. Hooper
P.O. Box 2126
Roswell, NM 88202

Yates Petroleum Corporation
105 South 4th Street
Artesia, NM 88210

Jeffrey & Michele Wilson
P.O. Box 1654
Roswell, NM 88202

Johnson Enterprises, LP
P.O. Box 1713
Roswell, NM 88202

Centennial, a general partnership
P.O. Box 1837
Roswell, NM 88202

David Petroleum Corporation
116 West 1st Street
Roswell, NM 88201

K&C Production Company
118 West 1st Street
Roswell, NM 88201

New Mexico Western Minerals
c/o Sanders, Bruin, Coil & Worley, P.A.
P.O. Box 550
Roswell, NM 88202

Glenn T. Mattlage
100 South Michigan
Roswell, NM 88201

TRNCO Petroleum Corporation
118 West 1st Street
Roswell, NM 88201

Edsel B. Neff, Jr.
116 West 1st Street
Roswell, NM 88201

Richard G. Martin Revocable Trust
118 West 1st Street
Roswell, NM 88201

J. Michael Norton, III
688 County Street
Roswell, NM 02740

Lot 1, SE/4 NE/4: below the base of the Delaware formation

Lease NM 43556 issued 8/1/1981

Operating Rights Owners

Magnum Hunter Production Company
202 South Cheyenne Avenue, Suite 1000
Tulsa, OK 74103

NE/4 SE/4

Lease NM12845 issued 2/1/1971

Operator: Federal "1" Well No. 3
OXY USA, Inc.
P.O. Box 27570
Houston, TX 77227

Potash Lessees

Lot 1, SE/4 NE/4, NE/4 SE/4

Section 1 is within the federally
"Designated Potash Area".

No current Potash lease found of record.

JUN 09 2015

NM 131588

T.22 South - R.32 East
Section 06:LOTS 1,2,6,7,S2NE,E2SW,
W2SE

Competitive Lease
01/31/2024

Lessee :

Devon Energy Prod. Co. LP
333 W. Sheridan Ave.
Oklahoma City, OK,73102

RUN SHEET:

Competitive lease NM 131588 issued 2/1/14 to Federal Abstract Co. for 10
yrs. with 12.5% royalty to the USA.

Assign. of record title dated 3/1/14 from Federal Abstract Co. to Devon
Energy Prod. Co. LP 100% as to all lands, no overriding royalty reserved.

OPERATING RIGHTS:

Lessee 100%

OVERRIDING ROYALTY:

None filed of record.

12.5 % ROYALTY TO THE USA

Notes:

JUN 09 2015

NM 12845

T.22 South - R.32 East
Section 06:LOTS 3-5,SENWL-H.B.P
2/1/1971

Lessee :

ExxonMobil Oil Corp.
P.O. Box 4358
Houston, TX 77210

RUN SHEET:

Lease NM 12845 issued 2/1/71 to Mervin Mohney for 10 yrs. with 12.5% royalty to the USA.

Assign. of record title dated 12/5/70 from Mervin C. Mohney to Central Southwest Oil Corp. 100% as to all lands, no overriding royalty reserved.

Assign. of record title dated 4/2/71 from Central Southwest Oil Corp. to L.B. Hodges 100% as to all lands, reserving 5% ORRI.

Assign. of record title dated 7/8/71 from L.B. & Margaret Hodges to Humble Oil & Refining Co. 100% as to all lands, subject to 5% ORRI.

Royalty assign. dated 8/9/74 from Central Southwest Oil Corp. to Central Southwest Oil Corp. Pension Trust 5% as to all lands.

Central Southwest Oil Corp. changed its name to Peppertree Limited.

Humble Oil & Refining Co. merged into Exxon Corp.

Decision of 6/22/81 extended the lease for two yrs. ending 1/31/83, and so long thereafter as oil or gas is produced in paying quantities.

Conveyance of oper. rights dated 6/30/81 from Exxon Corp. to Pogo Producing Co. 2/3 interest as to sec. 6: Lots 3-5,SENW all depths.

Pogo Producing Co.'s No. 2 SCL Federal was completed 12/10/82 on sec. 12; SWNE.

Assign. of oper. rights dated 5/4/83 from Exxon Corp. to Pogo Producing Co. 2/9 interest as to sec. 6: Lots 3,4,5,SENW all depths.

Committed to com. agreement RNM 010 as to nat. gas & assoc. liquid hydrocarbons producible from the Atoka and Morrow formation in sec. 12: N2.

Assign. of oper. rights dated 10/22/83 from Pogo Producing Co. to Hrubetz Oil Co. 29.630% as to sec. 6: Lots 3-5,SENW all depths.

Assign. of oper. rights dated 6/15/88 from Pogo Producing Co. to CNG Producing Co. 29.6295% as to sec. 6: Lots 3-5,SENW, no depth specified.

Confirmatory and correction assignment of overriding royalty dated 2/26/90 from CNG Producing Co. to Les R. Honeyman 1% as to sec. 6: Lots 3-5,SENW, proportionately reduced.

Assign. of oper. rights dated 5/17/91 from Hrubetz Oil Co. to the Long Trusts 20.0892% of 33.334% as to sec. 6: Lots 3,4,5,SENW no depth specified, reserving 20.0892% of 1.5278%.

Assign. of oper. rights dated 5/17/91 from Hrubetz Oil Co. to United States Borax & Chem Corp. as to sec. 6: Lots 3-5,SENW all depths 28.5714%

of 29.63%, reserving 28.5714% of 1.5278%.

Assign. of oper. rights dated 5/17/91 from Hrubetz Oil Co. to Pogo Producing Co. 25% of 33.334% as to sec. 6: Lots 3-5, SENW all depths, reserving 25% of 1.5278%.

Assign. of oper. rights dated 5/17/91 from Hrubetz Oil Co. to Torch Oil & Gas Co. 26.3394% of 33.334% as to sec. 6: Lots 3-5, SENW all depths, reserving 26.3394% of 1.5278%.

Assign. of oper. rights dated 10/15/91 from Pogo Producing Co. to CNG Producing Co. 3.70375% as to sec. 6: Lots 3-5, SENW, no depth specified.

Assign. of overriding royalty dated 2/9/89 from CNG Producing Co. to Les R. Honeyman 1% as to sec. 6: Lots 3-5, SENW, proportionately reduced, with the right to convert to 3.5% working interest after payout.

Assign. of overriding royalty dated 6/15/92, but effective 1/1/86 from CNG Producing Co. to Les R. Honeyman 1% attributable to the percentage of total production to which grantee is entitled by virtue of the assignment of 10/15/91 (3.70375%) as to sec. 6: Lots 3-5, SENW.

Assign. of oper. rights dated 8/20/95 from US Borax Inc. to Adex Resources Corp. 9.5240% as to all lands, no depth specified.

Assign. of oper. rights dated 8/20/95 from Adex Resources Corp. to Nielson & Assoc. Inc. 9.524% as to all lands, no depth specified.

Assign. of oper. rights dated 3/31/96 from Torch O&G Co. to Pogo Producing Co. 3.174677% as to sec. 6: Lots 3-5, SENW.

Affidavit dated 9/20/96 stated that Ash Exploration was dissolved and the property owned was distributed to Benjamin B. Andrews 5/6 and John M. Hopper Jr. 1/6.

CNG Producing Co. changed its name to Dominion Exploration & Prod. Inc.

Assign. of oper. rights dated 11/15/00 from Nielson & Assoc. Inc. to Midwest Resources 2001-1 Oil & Gas Income Ltd. Partnership 9.524% as to all lands, no depth specified.

Com. agreement RNM-010 expired 9/30/99.

Exxon Corp. merged with Mobil Oil Corp. and the name was changed to ExxonMobil Corp.

Assign. of oper. rights dated 11/2/06 from Dominion Exploration & Prod. Inc. to Lobos Energy Partners LLC all of grantor's interest as to all lands, no depth specified.

Assign. of oper. rights dated 2/22/07 from Homestake Sulphur Co. LLC to Torch O&G Co. 7.8044% as to all lands, no depth specified.

Assign. of oper. rights dated 2/29/08 from Pogo Producing Co. LLC to OXY USA Inc. 18.25395% as to sec. 6: Lots 3-6, SENW, no depth specified.

Assign. of overriding royalty dated 6/1/10 from Sunshine Co. to DMA Inc. 33.3334%, Charmar, LLC 23.3334%, Richard C. Deason 11.6666%, Thomas D. Deason 11.6666%, Ronald H. Mayer 10%, SAP LLC 10% as to sec. 6: Lots 3-5, SENW, 1% interest. The assignor doesn't appear to own interest as to sec. 6.

Assign. of overriding royalty dated 5/9/12 from Ronald H. Mayer to Ronald

H. Mayer, Trustee of the Ronald H. Mayer and Martha M. Mayer Reco. Trust
10% of 1% as to sec. 6: Lots 3-5, SENW. The assignor doesn't appear to own
interest as to this land.

Dominion Explor. & Prod. changed its name to Consolidated Gas.

Consolidated Gas merged into CNX Gas Co. LLC.

OPERATING RIGHTS:

We are not able to determine the ownership of operating rights from the
instruments filed of record at BLM. See the run sheet.

OVERRIDING ROYALTY:

T. 22 S. R. 32E.
Sec. 6: Lots 3-5, SENW:
Central Southwest Oil Corp. Pension Trust 5%
P.O. Box 2107
Roswell, NM 88201

Sec. 6: Lots 3-5, SENW:
Les R. & LaNell J. Honeyman 1% of 29.6295%
110 W. Louisiana, Ste. 270
Midland, TX 79701

Hrubetz Oil Co. reserved the following:
Sec. 6: Lots 3-5, SENW all depths 1.5278%

Assign. of overriding royalty dated 2/9/89 from CNG Producing Co. to Les
R. Honeyman 1% as to sec. 6: Lots 3-5, SENW, proportionately reduced, with
the right to convert to 3.5% working interest after payout.

Assign. of overriding royalty dated 6/15/92, but effective 1/1/86 from CNG
Producing Co. to Les R. Honeyman 1% attributable to the percentage of total
production to which grantee is entitled by virtue of the assignment of
10/15/91 (3.70375%) as to sec. 6: Lots 3-5, SENW.

*Note; the following assignments are filed of record, but the assignors
don't appear to own this interest:

Assign. of overriding royalty dated 6/1/10 from Sunshine Co. to DMA Inc.
33.3334%, Charmar, LLC 23.3334%, Richard C. Deason 11.6666%, Thomas D.
Deason 11.6666%, Ronald H. Mayer 10%, SAP LLC 10% as to sec. 6: Lots
3-5, SENW, 1% interest. The assignor doesn't appear to own interest as to
sec. 6.

Assign. of overriding royalty dated 5/9/12 from Ronald H. Mayer to Ronald
H. Mayer, Trustee of the Ronald H. Mayer and Martha M. Mayer Reco. Trust
10% of 1% as to sec. 6: Lots 3-5, SENW. The assignor doesn't appear to own
interest as to this land.

12.5 % ROYALTY TO THE USA

Notes:

JUN 10 2015

NM 109757

T.21 South - R.32 East
Section 31:LOTS 3,4,E2SW

L-H.B.P
3/1/2003

Lessee :

OXY USA Inc.
P.O. Box 27570
Houston, TX 77227

RUN SHEET:

Competitive lease NM 109757 issued 3/1/03 to James Bruce for 10 yrs. with 12.5% royalty to the USA.

Assign. of record title dated 8/25/03 from James & Sharon Bruce to Pogo Producing Co. 100% as to all lands, no overriding royalty reserved.

Assign. of record title dated 2/29/08 from Pogo Producing Co. LLC to OXY USA Inc. 50% as to all lands.

Assign. of record title dated 11/21/08 from Pogo Producing Co. LLC to OXY USA Inc. 50% as to all lands.

Letter of 1/16/13 requested a suspension of operations due to delays in getting an APD approved before the expiration of the lease.

Suspension of operations was granted eff. 1/1/2013 and it will terminate the earlier of: the last of the month in which approved operations are commenced or whenever the authorized officer determines that the suspension is no longer needed in the interest of conservation.

Committed to com. agreement NMNM 132217 as to all producible hydrocarbons from the Delaware formation as to sec. 31; Lot 4, SESW, S2SE.

OXY USA: Cabin Lake 31 Fed. Com. 6H was completed 9/12/13 on sec. 31; SWSW.

OPERATING RIGHTS:

Lessee 100%

OVERRIDING ROYALTY:

None filed of record.

12.5 % ROYALTY TO THE USA

Notes:

Corp. 1/2, Richard K. Barr 1/4, Scott E. Wilson 1/4 as to all lands 1/2 of 1% interest.

Royalty assign. dated 1/9/91 from Morris & Holly Schertz to UTI Energy Corp. 1/2, Richard K. Barr 1/4 and Scott E. Wilson 1/4 as to all lands .5%.

Assign. of oper. rights dated 12/23/99 from CNG Producing Co. to Pogo Producing Co. 50% as to all lands.

Assign. of record title dated 2/29/08 from Pogo Producing Co. LLC to OXY USA Inc. 50% as to all lands.

Assign. of record title dated 11/21/08 from Pogo Producing Co. LLC to OXY USA Inc. 50% as to all lands.

Committed to com. agreement NMNM 132217 as to all producible hydrocarbons from the Delaware formation as to sec. 31; Lot 4, SESW, S2SE.

OXY USA: Cabin Lake 31 Fed Com 6H was completed 9/12/13 on sec. 31: SWSW.

OPERATING RIGHTS:

Lessee 100%

OVERRIDING ROYALTY:

Carl & Gloria Schellinger .5%
P.O. Box 447
Roswell, NM 88202

Les R. Honeyman 1% of 50%
3806 Crestridge Dr.
Midland, TX 79707

Morris & Holly Schertz .5%
P.O. Box 2588
Roswell, NM 88202

UTI Energy Corp. 1%
485 Devon Park Dr., Ste. 112
Wayne, PA 19087

Richard K. Barr .5%
500 Loraine, Ste. 1070
Midland, TX 79701

Scott E. Wilson .5%
500 Loraine, Ste. 1070
Midland, TX 79701

12.5 % ROYALTY TO THE USA

Notes:

V-1673

T.21 South - R.31 East
Section 36:E2SE

L-H.B.P
01/01/86

Lessee :

Yates Petroleum Corporation
105 S. Fourth Street
Artesia, New Mexico 88210

Lease issued January 1, 1986 to Yates Petroleum Corporation.

MISCELLANEOUS INSTRUMENTS:

4-66 - Mortgage, Security Agreement, Assignment of Production, Financing Statement and Line of Credit Mortgage dated April 1, 2011 from Yates Petroleum Corporation to Wells Fargo Bank, N.A., covering the E2SE of Section 36, T. 21 South - R. 31 East.

4-166 - Mortgage, Security Agreement, Assignment of Production, Financing Statement and Line of Credit Mortgage dated November 3, 2011 from ABO Petroleum Corporation to JPMorgan Chase Bank, N.A., covering the E2SE of Section 36, T. 21 South - R. 31 East.

1/6 ROYALTY TO THE STATE OF NEW MEXICO

Notes:

JUN 09 2015

NM 43556

T.22 South - R.31 East
Section 01:LOT 1,SENEL-H.B.P
8/1/81

Lessee :

Magnum Hunter Prod. Inc.
202 S. Cheyenne Ave., Ste. 1000
Tulsa, OK 74103

RUN SHEET:

Lease NM 43556 issued 8/1/81 to J. Mort Walker Jr. for 10 yrs. with 12.5% royalty to the USA.

Assign. of record title dated 8/10/82 from J.Mort Walker Jr. and Marie Walker to Union Oil Co. of Cal. 100% as to all lands, reserving a production payment of \$10,000 per acre payable out of 5%.

Assign. of production payment dated 1/21/86 from Estate of J. Mort Walker Jr. and Estate of Marie De Los Reyes Walker to Palmetto Partnership all of assignor's interest in the production payment as to all lands.

Yates Petroleum Corp. Unocal AHU Fed No. 1 was complete 5691 on sec. 1: NENW.

Assign. of oper. rights dated 8/26/91 from Union Oil Co. of Cal. to Hanagan Petrol. Corp. 100% as to sec 1: SENE surface to the base of the Delaware formation, reserving 7.5% ORRI.

Assign. of oper. rights dated 9/9/91 from Hanagan Petroleum Corp. to J. Hiram Moore, Ltd. 18.75%, Jerry L. Hooper 12.5%, Yates Petroleum Corp. 12.5%, Jeffrey & Michele Wilson 6.25%, Johnson Enterprises Ltd. Partnership 6.25%, Centennial, general partnership 6.25%, David Petroleum Corp. 5.5%, Colin McMillan 5%, Michael G. Hanagan 3.125%, Hugh E. Hanagan 3.125%, T.T. Sanders Jr. 3.125%, Glenn T. Matlage 3.125%, Thomas R. Nickoloff .75%, Edsel B. Neff Jr. .75%, Richard G. Martin Revoc. Trust .5% as to sec. 1: SENE surface to the base of the Delaware formation.

Assign. of oper. rights dated 9/11/91 from Union Oil Co. of Cal. to Yates Petroleum Corp. 100% as to sec. 1: Lot 1 surface to the base of the Delaware formation, reserving 7.5%.

Assign. of oper. rights dated 10/17/91 from Yates Petroleum Corp. to Yates Drilling Co. 10%, ABO Petroleum Corp. 10% and Myco Industries Co. 10% as to sec. 1: Lot 1 surface to the base of the Delaware formaton, retaining 70% interest.

Assign. of oper. rights dated 6/30/92 from Centennial to Michael J. Norton III 3.125% as to sec. 1: SENE surface to the base of the Delaware.

Assign. of oper. rights dated 11/18/92 from Thomas Nickoloff to TRNCO Petroleum Corp. .75% as to sec. 1: SENE surface to the base of the Delaware.

Assign of oper. rights dated 1/1/94 from Colin R. McMillan to K&C Production Co. Inc. 100% of transferor's interest as to sec. 1: S2NE.

Assign. of oper. rights dated 8/18/94 from Michael G. Hanagan to Hugh E. Hanagan 3.125% as to sec. 1; SENE surface to the base of the Delaware formation.

Assign. of oper. rights dated 1/19/95 from Hanagan Petroleum Corp. to Marbob Energy Corp. 12.5% as to sec. 1: SENE from the surface to the base of the Delaware formation.

Assign. of oper. rights dated 1/23/95 from Hugh E. Hanagan to Marbob Energy Corp. 6.25% as to sec. 1: SENE surface to the base of the Delaware.

Assign. of oper. rights dated 1/20/98 from Union Oil Co. of Cal. to Matador Petroleum Corp. 100% below the base of the Delaware formation as to all lands. The overriding royalty now owned by assignor surface to base of Delaware to transfer to transferee.

Assign. of record title dated 1/20/98 from Union Oil Co. of Cal. to Matador Petroleum Corp. 100% as to all lands.

Letter of 9/4/02 stated that the royalty rate was reduced to 4.5% eff. 3/1/99 to 2/29/00 due to the stripper royalty rate reduction program.

Letter of 9/4/02 stated that the royalty rate was reduced to 6.1% eff. 5/1/01 to 4/30/02, due to the stripper royalty rate reduction program.

Letter of 9/10/02 stated that the royalty rate was reduced to 6.9% eff. 4/1/00 to 3/3/01 due to the stripper royalty rate reduction program.

Letter of 11/29/02 stated that the royalty rate was reduced to 4.5% eff. 6/1/02 to 5/31/03, due to the stripper royalty rate reduction program.

Decision of 9/23/03 stated that New Mexico Western Minerals is the heir to the Estate of Thomas Truman Sanders Jr., deceased.

Matador Petroleum Corp. merged into Tom Brown Inc.

Assign. of oper. rights dated 7/27/04 from Tom Brown Inc. to Magnum Hunter Prod. Inc. all lands below the base of the Delaware formation, 100%.

Assign. of record title dated 9/22/04 from Tom Brown Inc. to Magnum Hunter Prod. Inc. 100% as to all lands.

Letter of 1/10/05 stated that the royalty rate was reduced to 5.3% eff. 10/1/04 to 9/30/05 due to the stripper royalty rate reduction program.

Letter of 1/16/07 stated that the royalty rate was reduced to 4.5% eff. 12/1/05 to 1/31/06 due to the stripper royalty rate reduction program.

Letter of 9/2/10 stated that the royalty rate was reduced to 7.7% eff. 2/1/98 to 1/31/99 due to the stripper royalty rate reduction program.

Letter of 9/2/10 stated that the royalty rate was reduced to 10.1% eff. 1/1/97 due to the stripper royalty rate reduction program.

Yates Drilling Co. changed its name to OXY Y-1 Company.

OPERATING RIGHTS:

Sec. 1: SENE surface to the base of the Delaware formation:

Marbob Energy Corp. P.O. Box 227 Artesia, NM 88211	18.75%
J. Hiram Moore, Ltd. P.O. Box 1733 Midland, TX 79702	18.75%

Jerry L. Hooper P.O. Box 2126 Roswell, NM 88202	12.5%
Yates Petroleum Corp.	12.5%
Jeffrey & Michele Wilson P.O. Box 1654 Roswell, NM 88202	6.25%
Johnson Enterprises LP P.O. Box 1713 Roswell, NM 88202	6.25%
Centennial, a gen. partnership P.O. box 1837 Roswell, NM 88202	3.125%
David Petroleum Corp. 116 W. 1st St. Roswell, NM 88201	5.5%
K&C Prod. Inc. 118 W. 1st St. Roswell, NM 88201	5%
New Mexico Western Minerals c/o Sanders, Bruin Coll & Worley, P.A. P.O. Box 550 Roswell, NM 88202	3.125%
Glenn T. Matlage 100 S. Michigan Roswell, NM 88201	3.125%
TRNCO Petroleum Corp. 118 W. 1st St. Roswell, NM 88201	.75%
Edsel B Neff, Jr. 116 W. 1st St. Roswell, NM 88201	.75%
Richard G. Martin Revoc. Trust 118 W. 1st St. Roswell, NM 88201	.5%
J. Michael Norton III 688 County St. New Bedford, MA 02740	3.125%
Sec. 1: Lot 1 to the base of the Delaware formation:	
Yates Petroleum Corp. 105 S. 4th St. Artesia, NM 88210	70%
ABO Petroleum Corp. 105 S. 4th St.	10%

Artesia, NM 88210

Myco Industries Inc. 10%
105 S. 4th St.
Artesia, NM 88210

OXY Y-1 Company 10%
P.O. Box 27570
Houston, TX 77227

All lands below the base of the Delaware formation:

Lessee 100%

OVERRIDING ROYALTY:

Production payment of \$10,000 per acre payable out of 5%:
Palmetto Partnership
1331 3rd St.
New Orleans, LA 70130

Sec. 1: Los 1, SENE
to base of the Delaware:

Lessee 7.5%

16 2/3 % ROYALTY TO THE USA

Notes:

JUN 09 1975

NM 12845

T.22 South - R.31 East
Section 01:NESEL-H.B.P
2/1/1971

Lessee :

ExxonMobil Oil Corp.
P.O. Box 4358
Houston, TX 77210

RUN SHEET:

Lease NM 12845 issued 2/1/71 to Mervin Mohny for 10 yrs. with 12.5% royalty to the USA.

Assign. of record title dated 12/5/70 from Mervin C. Mohny to Central Southwest Oil Corp. 100% as to all lands, no overriding royalty reserved.

Assign. of record title dated 4/2/71 from Central Southwest Oil Corp. to L.B. Hodges 100% as to all lands, reserving 5% ORRI.

Assign. of record title dated 7/8/71 from L.B. & Margaret Hodges to Humble Oil & Refining Co. 100% as to all lands, subject to 5% ORRI.

Royalty assign. dated 8/9/74 from Central Southwest Oil Corp. to Central Southwest Oil Corp. Pension Trust 5% as to all lands.

Central Southwest Oil Corp. changed its name to Peppertree Limited.

Humble Oil & Refining Co. merged into Exxon Corp.

Decision of 6/22/81 extended the lease for two yrs. ending 1/31/83, and so long thereafter as oil or gas is produced in paying quantities.

Conveyance of oper. rights dated 6/30/81 from Exxon Corp. to Pogo Producing Co. 2/3 interest as to sec. 1: SE all depths.

Pogo Producing Co.'s No. 2 SCL Federal was completed 12/10/82 on sec. 12; SWNE.

Royalty assign. dated 1/3/83 from Ben Andrews and Paige Andrews to Ash Exploration Co., a Texas General Partnership, 1300 Main #647, Houston, TX 77002, 2% as to sec. 1: S2.

Assign. of oper. rights dated 5/4/83 from Exxon Corp. to Pogo Producing Co. 2/9 interest as to sec. 1: SE all depths.

Committed to com. agreement RNM 010 as to nat. gas & assoc. liquid hydrocarbons producible from the Atoka and Morrow formation in sec. 12: N2.

Assign. of oper. rights dated 10/22/83 from Pogo Producing Co. to Hrubetz Oil Co. 29.630% as to sec. 1: SE, all depths.

Royalty assign. dated 10/31/82 (filed at BLM on 4/8/91) from Ash Exploration Co. to Patti Pollard Lichty 1/10 of 1% as to sec. 1: S2.

Royalty assign. dated 8/25/82 (filed at BLM on 4/8/91) from Central Southwest Oil Corp. Pension Trust to Ben Andrews 2% as to sec. 1: S2.

Royalty assign. dated 10/31/82 (filed at BLM on 4/8/91) from Ash Exploration Co. to Lovett Baker Jr. 1/10 of 1% as to sec. 1; S2.

Royalty assign. dated 10/31/82 (filed at BLM on 4/8/91) from Ash Exploration Co. to Richard B. Finger 1/10 of 1% as to sec. 1: S2.

Royalty assign. dated 10/31/82 (filed at BLM on 4/8/91) from Ash Exploration Co. to Gerald T. Kerbow 1/10 of 1% as to sec. 1: S2.

Royalty assign. dated 10/31/82 (filed at BLM on 4/8/91) from Ash Exploration Co. to Elizabeth C. Reichert 1/10 of 1% as to sec. 1: S2.

Royalty assign. dated 10/31/82 (filed at BLM on 4/8/91) from Ash Exploration Co. to Tany P. Hopper 1/10 of 1% as to sec. 1: S2.

Royalty assign. dated 10/31/82 (filed at BLM on 4/8/91) from Ash Exploration Co. to L.R. Daniel .4666667% as to sec. 1: S2.

Assign. dated 11/23/76 (filed at BLM on 4/8/91) from Jerune Allen, Trustee of the Central Southwest Oil Corp Pension Trust to Robert N. Enfield 1% as to sec. 1: S2.

Assign. dated 12/1/76 (filed at BLM on 4/8/91) from Jerune Allen, Trustee of the Central Southwest Oil Corp. Pension Trust to Sunshine Co. 1% as to sec. 1: S2.

Assign. dated 9/1/77 (filed at BLM on 4/8/91) from Robert N. Enfield to Bryan Bell 50% of 1% as to sec. 1: S2.

Assign. of oper. rights dated 5/17/91 from Hrubetz Oil Co. to the Long Trusts 20.0892% of 33.334% as to sec. 1: SE, no depth specified, reserving 20.0892% of 1.5278%.

Assign. of oper. rights dated 5/17/91 from Hrubetz Oil Co. to United States Borax & Chem Corp. as to sec. 1: SE, all depths 28.5714% of 29.63%, reserving 28.5714% of 1.5278%.

Assign. of oper. rights dated 5/17/91 from Hrubetz Oil Co. to Pogo Producing Co. 25% of 29.630% as to sec. 1: SE, all depths, reserving 25% of 1.5278%.

Assign. of oper. rights dated 5/17/91 from Hrubetz Oil Co. to Torch Oil & Gas Co. 26.3394% of 29.63% as to sec. 1: SE, all depths, reserving 26.3394% of 1.5278%.

Assign. of oper. rights dated 7/20/92 from Exxon Corp. to Torch O&G Co. 9.7041, The Long Trusts 7.4014, & Pogo Producing Co. 82.8945% as to sec. 1: NESE surface to 8555' excluding all depths below the base of the Delaware formation at 8450', 1/9 interest, reserving .833, to increase to 1.055 after payout.

Correction assignment dated 3/2/93 from Hrubetz Oil Co. to Gordon S. Utter .0367958, William Bishop .0367958, Francis A. Bolen .0367958, Marvin L. Peterson .0367958, Tom Benson .0334507, Michael Boyle .0334507, L.T. Braun .0334507, Steven K. Dodds .0334507, Charles M. Duhon .0334507, John Steven Harrell .0334507, Max F. Hentz .0334507, Max Dale Houdek .0334507, Jeffery K. Jackson .0334507, Joel Jurgens .0334507, Monty W. Kastner .0334507, Jack D. Larremore .0334507, The Lawful owners, as their interests may appear, of the Estate of Robert C. McGhee, deceased .0334507, John Robert Munford .0334507, Theodore N. Noel .0334507, Donald N. Page .0334507, C.R. Reiter .0334507, Paul E. Schnurr .0334507, Ronald L. Shaw .0334507, James Sheidenberger .0334507, Michael Shotton .0334507, John M. Snyder .0334507, Laurence G. Walker .0334507, Thomas C. Williams .0334507, Robert E. Bailey .015, A. Wayne Breeland .015, Wayne Selvig .015, Misty "B" Corp. .005 as to sec. 1: S2, an overriding royalty equal to 2.071425% of 8/8 before payout and equal to 4.14285% after payout. This is in lieu of and not in addition

to the three assignments previously executed: 1. Dated 12/1/85, recorded in book 260, page 29 of Eddy County, 2. dated 12/1/85 recorded into book 264, page 1065 of Eddy County, 3. dated 4/29/86, recorded in book 264, page 1070 of Eddy County.

Assign. of overriding royalty dated 10/18/94 from Bryan Bell to Bryan Bell Family Limited Partnership No. 1 as to sec. 1: S2, 1/2 of 1%.

Assign. of oper. rights dated 8/20/95 from US Borax Inc. to Adex Resources Corp. 9.5240% as to all lands, no depth specified.

Assign. of oper. rights dated 8/20/95 from Adex Resources Corp. to Nielson & Assoc. Inc. 9.524% as to all lands, no depth specified.

Assign. of oper. rights dated 3/31/96 from Torch O&G Co. to Pogo Producing Co. 4.25291% as to sec. 1; NESE surface to the total depth drilled in each 40 acre subdivision or the base of the Delaware formation, whichever is lesser.

Affidavit dated 9/20/96 stated that Ash Exploration was dissolved and the property owned was distributed to Benjamin B. Andrews 5/6 and John M. Hopper Jr. 1/6.

CNG Producing Co. changed its name to Dominion Exploration & Prod. Inc.

Assign. of oper. rights dated 11/15/00 from Nielson & Assoc. Inc. to Midwest Resources 2001-1 Oil & Gas Income Ltd. Partnership 9.524% as to all lands, no depth specified.

Com. agreement RNM-010 expired 9/30/99.

Exxon Corp. merged with Mobil Oil Corp. and the name was changed to ExxonMobil Corp.

Assign. of oper. rights dated 11/2/06 from Dominion Exploration & Prod. Inc. to Lobos Energy Partners LLC all of grantor's interest as to all lands, no depth specified.

Assign. of oper. rights dated 2/22/07 from Homestake Sulphur Co. LLC to Torch O&G Co. 7.8044% as to all lands, no depth specified.

Assign. of oper. rights dated 2/29/08 from Pogo Producing co. LLC to OXY USA Inc. 43.77035% as to sec. 1: NESE no depth specified.

Assign. of oper. rights dated 11/21/08 from Pogo Producing Co. LLC to OXY USA Inc. 43.77035% as to sec. 1: NESE, no depth specified.

Assign. of oper. rights dated 11/21/08 from Pogo Producing Co. LLC to OXY USA Inc. 43.77035% as to sec. 1: NESE, no depth specified.

Assign. of overriding royalty dated 6/1/10 from Sunshine Co. to DMA Inc. 33.3334%, Charmar, LLC 23.3334%, Richard C. Deason 11.6666%, Thomas D. Deason 11.6666%, Ronald H. Mayer 10%, SAP LLC 10% as to sec. 1: S2, 1% interest.

Assign. of overriding royalty dated 5/9/12 from Ronald H. Mayer to Ronald H. Mayer, Trustee fo the Ronald H. Mayer and Martha M. Mayer Revoc. Trust 10% of 1% as to sec. 1: S2.

Dominion Explor. & Prod. changed its name to Consolidated Gas.

Consolidated Gas merged into CNX Gas Co. LLC.

OPERATING RIGHTS:

There appear to be gaps in the title. We are unable to determine the

ownership of operating rights from the instruments filed at BLM. See the run shee.

OVERRIDING ROYALTY:

T. 21 S. R. 31 E. Sec. 1; S2: Central Southwest Oil Corp. Pension Trust	1%
Robert N. Enfield P.O. Box 2431 Santa Fe, BNM 87501	.5%
Bryan Bell Family LP NO. 1 1331 Third St. New Orleans, LA 70130	.5%
DMA Inc. P.O. Box 1496 Roswell, NM 88202	.333334%
Charmar, LLC 4815 Vista Del Oso Court NE Albuquerque, NM 87109	.23334%
Richard C. Deason 1301 N. Havenhurst #217 West Hollywood, CA 90046	.116666%
Thomas D. Deason 6402 CR 7420 Lubbock, TX 79424	.116666%
Ronald H. Mayer & Martha M. Mayer Revoc. Trust P.O. Box 2391 Roswell, NM 88202	.10%
SAP, LLC 4901 Whitney Lane Roswell, NM 88203	.1%
Ash Exploration Co.	.9333333%
Patti Pollard Lichty c/o Pogo Producing Co.	.1%
Lovett Baker Jr. c/o Pogo Producing Co.	.1%
Richard B. Finger c/o Pogo Producing Co.	.1%
Gerald T. Kerbow c/o Pogo Producing Co.	.1%
Elizabeth C. Reichert c/o Pogo Producing Co.	.1%
Tany P. Hopper c/o Pogo Producing Co.	.1%

L.R. Daniel
c/o Pogo Producing Co.

.46666678

Hrubetz Oil Co. reserved the following:
Sec. 1: SE all depths 1.5278%

Sec. 1: NESE surface to base of the Delaware formation:
lessee reserved .833% to increase to 1.055% after payout.

Correction assignment dated 3/2/93 from Hrubetz Oil Co. to Gordon S. Utter .0367958, William Bishop .0367958, Francis A. Bolen .0367958, Marvin L. Peterson .0367958, Tom Benson .0334507, Michael Boyle .0334507, L.T. Braun .0334507, Steven K. Dodds .0334507, Charles M. Duhon .0334507, John Steven Harrell .0334507, Max F. Hentz .0334507, Max Dale Houdek .0334507, Jeffery K. Jackson .0334507, Joel Jurgens .0334507, Monty W. Kastner .0334507, Jack D. Larremore .0334507, The Lawful owners, as their interests may appear, of the Estate of Robert C. McGhee, deceased .0334507, John Robert Munford .0334507, Theodore N. Noel .0334507, Donald N. Page .0334507, C.R. Reiter .0334507, Paul E. Schnurr .0334507, Ronald L. Shaw .0334507, James Sheidenberger .0334507, Michael Shotton .0334507, John M. Snyder .0334507, Laurence G. Walker .0334507, Thomas C. Williams .0334507, Robert E. Bailey .015, A. Wayne Breeland .015, Wayne Selvig .015, Misty "B" Corp. .005 as to sec. 1: S2 an overriding royalty equal to 2.071425% of 8/8 before payout and equal to 4.14285% after payout. This is in lieu of and not in addition to the three assignments previously executed: 1. Dated 12/1/85, recorded in book 260, page 29 of Eddy County, 2. dated 12/1/85 recorded into book 264, page 1065 of Eddy County, 3. dated 4/29/86, recorded in book 264, page 1070 of Eddy County.

12.5 % ROYALTY TO THE USA

Notes:

ATTACHMENT VI

**No Wells Penetrate the Injection Zone within the AOR of the Proposed SWD
Well**

ATTACHMENT VII

Operation Summary

Well: West Gramma Ridge SWD #1

Location: 1105' FNL and 1480' FWL
Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32
East, Lea County, New Mexico

Injection Zone: Devonian

Well TD: 16,550'

Summary:

1. Proposed average daily injection rate is 16,000 bbl/day with maximum daily injection rate of 20,000 bbl/day
2. This will be a closed system
3. Proposed average injection pressure is 2,800 psi with maximum pressure of 2,800 psi
4. Source of injection fluid will be exempt liquid E & P waste
5. There are eight wells that exist within ½ mile AOR of the proposed SWD well but they do not penetrate the injection zone. Two wells penetrating the injection interval (Hat Mesa #1 and James Ranch Unit #1) were reviewed to evaluate the reservoir quality for the proposed injection interval. The Hat Mesa #1 well, drilled by Conoco Phillips Company, is located about 6.5 miles northeast of the proposed West Gramma Ridge SWD #1 well, in Unit G (SW/4, NE/4), Section 11, Township 21 South, Range 32 East, in Lea County, New Mexico. The James Ranch Unit #1 well, drilled by the Texas Company, is located approximately 8.7 miles southwest of the proposed Okerlund SWD #1 well, in Unit O (SW/4, SE/4), Section 36, Township 22 South, Range 30 East, in Lea County, New Mexico. The Audie Richards #1 well was drilled to 17,555 feet (TD). The Devonian section was found not to be productive of oil and gas.

ATTACHMENT VIII

Geologic Summary

Information on geological strata for this section was derived in part from a well (James Ranch Unit #1) that was drilled about 8.7 miles southwest of the proposed West Gramma Ridge SWD #1 in Unit O (SW/4, SE/4), Section 36, Township 22 South and Range 30 East (Nicholson and Clebsch, 1961). The well was drilled a total depth (TD) of 17,555 feet. Figure 1 presents a type log based on rock descriptions from the James Ranch Unit #1 well.

The proposed SWD well is located in the Delaware Basin just south of the Capitan Reef Complex. The area is underlain by a thin layer of Quaternary-age alluvium consisting of sand, silty sand, and clay that rests directly on Triassic-age red bed (clay, mudstone, etc.) of the Dewey Lake formation.

The Triassic-age rocks are underlain by rocks of Permian-age that have a collective thickness of about 11,600 feet. The Permian formations include, in descending order, the Rustler, Salado, Castile, Delaware Mountain Group (Bell Canyon, Cherry Canyon and Brushy Canyon formations), Bone Springs Limestone and Wolfcamp Shale.

The Rustler formation occurs between about 500 and 1000 feet and is composed chiefly of anhydrite, dolomite, gypsum, and mudstone. The Salado and Castile formations are principally anhydrite, shale and limestone. The Salado formation contains economic deposits of potash and anhydrite and varies in thickness from about 1,500 to 2,000 feet. The Permian-age Capitan formation, also known as the Capitan aquifer, is not present here in the Delaware Basin.

The Delaware Mountain Group includes the Bell Canyon, Cherry Canyon and Brushy Canyon formations and underlies the Capitan formation. The Delaware Mountain Group occurs between approximately 3,850 to 7,600 feet and consists of a thick sequence of largely of deep marine sandstone interbedded with shale and limestone. Some oil and gas is produced from the Bell Canyon and Brushy Canyon formations.

The Bone Springs Limestone is comprised of thin beds of cherty black limestone and sandstone between approximately 2,000 to 3,000 feet thick. The Bone Springs occurs between approximately 7,600 and 11,000 feet near the West Gramma Ridge SWD. Oil and gas is produced from several distinct intervals in the Bone Springs Limestone. The Wolfcamp Shale is the lowermost Permian-age formation and is composed of non-organic between approximately 11,000 and 12,500 feet. The Wolfcamp Shale marks the boundary between rocks of Permian and Pennsylvanian-age.

Rocks of Pennsylvanian age comprise a sequence of marine carbonates, shale and clastics with a combined thickness of about 1,500 feet between about 12,500 and 14,000 feet. The Strawn formation (Upper Pennsylvanian) occurs beneath the Wolfcamp Shale and is composed of about 300 feet of shale and sandstone, mudstone and conglomerate. The Atoka and Morrow formations, in descending order, occur beneath the Strawn formation and are about 475 and 1,000 feet thick, respectively. The Atoka formation is composed of interbedded sandstone whereas the Morrow formation is composed of limestone in the upper part and clastics in the lower part.

Rocks of Mississippian age underlie the Morrow formation and are represented by the Barnett Shale and Mississippian Lime, in descending order, with a collective thickness of about 1,000 feet. The Mississippian-age rocks are underlain by the Upper Devonian-age Woodford Shale, which is approximately 200 feet thick and is composed predominately of black organic-rich marine shale, siltstone and sandstone. The Woodford Shale occurs above the Devonian section at about 15,500 feet. Rocks of Siluro-Devonian age underlie the Woodford Shale and are composed mainly of chert and cherty carbonate rocks. The Siluro-Devonian rocks occur between about 15,550 and 16,500 feet. The proposed depth of the proposed injection well is 16,000 feet with injection interval to be determined from field observations.

Figure 1: presents a type log based on a test well (James Ranch Unit #1) that was drilled to 17,555 feet (TD). The well was drilled about 8.7 miles southwest of the proposed West Gramma Ridge SWD #1 in Unit O (SW/4, SE/4), Section 36, Township 22 South and Range 30 East.

Figure 2 presents a detailed geological cross section of the injection zone. The geological cross section (A to A') was prepared based on rock descriptions from the Hat Mesa #1 located in Unit G (SW/4, NE/4), Section 11, Township 21 South, Range 32 East and James Ranch Unit #1, a distance of about 16 miles. The cross section transects the Capitan Reef complex from northeast to southwest. The cross section does not show any offsets that would suggest faulting is present. The cross section shows good correlation of the Siluro – Devonian contact and the potential injection zone.

References:

- Nicholson, A., Jr., and A. Clebsch, 1961, Geology and Ground-Water Conditions in Southern Lea County, New Mexico, Ground-Water Report 6: Socorro, NM. New Mexico State Bureau of Mines and Mineral Resources, New Mexico Institute of Mining & Technology. p. 123

Groundwater Summary

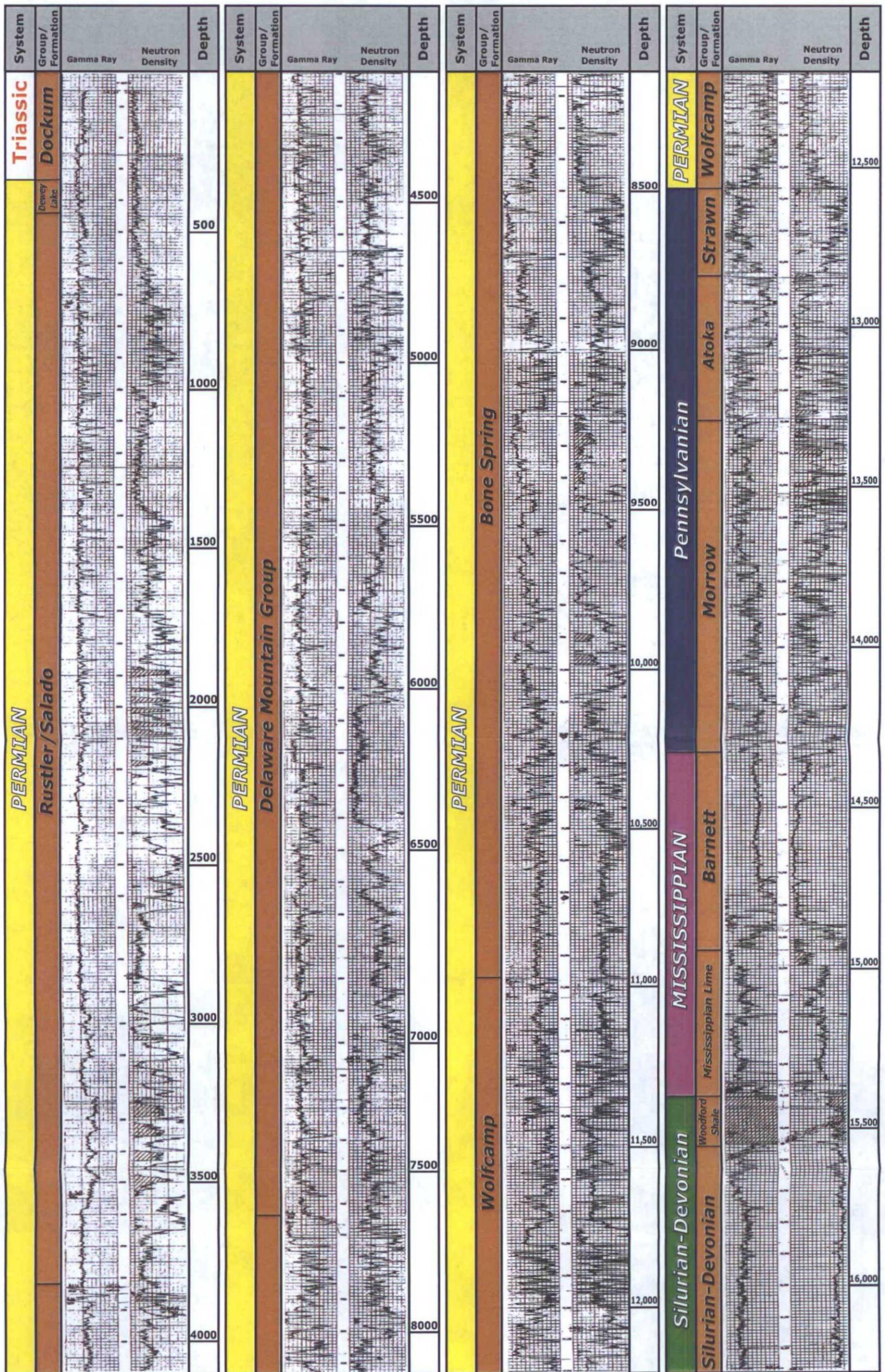
The West Gramma Ridge SWD #1 is located south of the Capitan Reef, a geologic feature that developed around the margins of the Delaware Basin. Groundwater occurs in the Triassic-age Chinle and Santa Rosa formations of the Dockum Group. Groundwater also occurs in the younger Quaternary Alluvium that sits atop the Triassic formations. Groundwater in the Chinle and the Santa Rosa formations occurs in sandstone beds. Groundwater from the Chinle and Santa Rosa formations is generally very saline to saturated brine. However, near the West Gramma Ridge SWD water quality is generally poor due to elevated levels of sodium, chloride and sulfate.

According to records from the New Mexico Office of the State Engineer, one well is located within 1-mile of the West Gramma Ridge SWD well. The report contained no information about water level or aquifer penetrated.

***Refer to attached figures and copy of Office of the State Engineer Well Inventory
and Geosarch Water Well Report***

Shell Oil Company James Ranch Unit #1

Sec. 36, T-22-S, R-30-E



West Gramma Ridge SWD Well #1
Lea County, New Mexico
Type Log



FIGURE 1: TYPICAL SECTION OF ROCKS PENETRATED

SW

A

A'

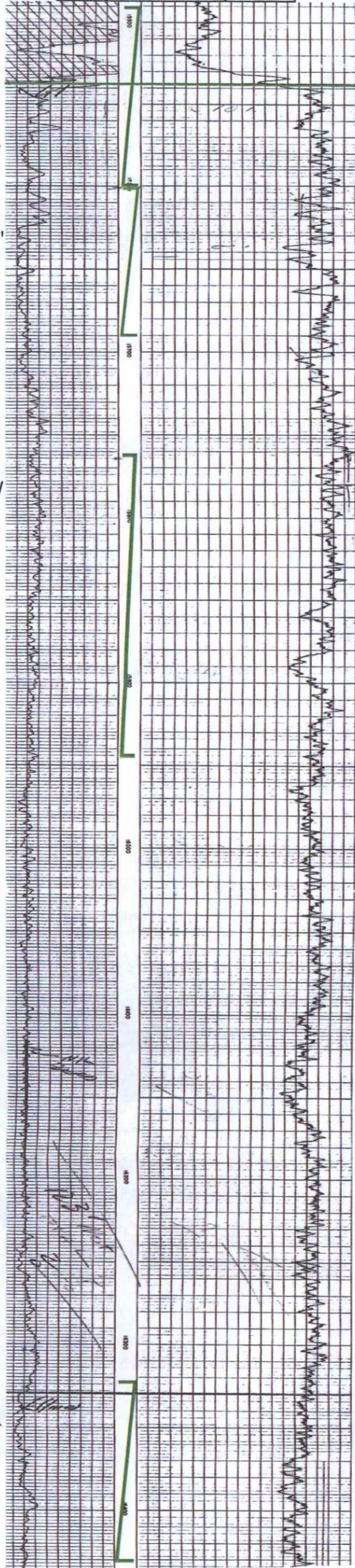
NW

SCHLUMBERGER WELL SURVEYING CORPORATION
Gamma Ray - Neutron

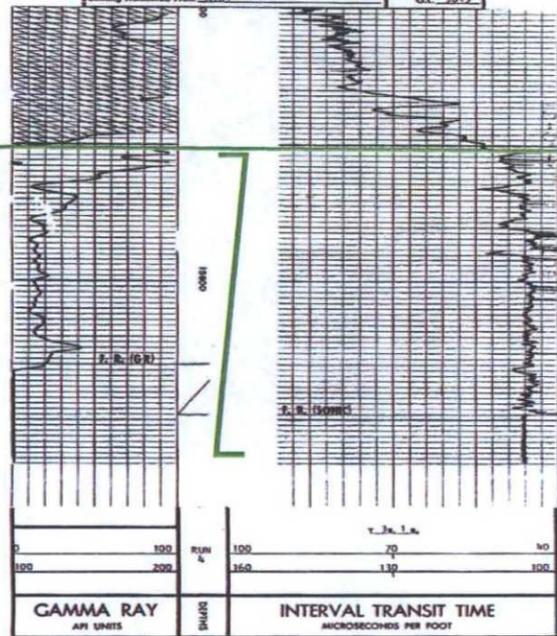
COMPANY SHELL OIL	Other Surveys
COMPANY ES - L L	Location of Well
WELL JAMES RANCH	2005: Fr. 5/4
FIELD WILDCAT	
LOCATION SEC. 36, 225-30 E	
COUNTY EDDY	Elevation D.F. 3327
STATE NEW MEXICO	W.S. 3328
	G.L. 3329
	FRING No.

SCHLUMBERGER BOREHOLE COMPENSATED SONIC LOG - GAMMA RAY

COMPANY PHILLIPS PETROLEUM COMPANY	Other Services
WELL HAT MESA #1	S.P.S., I.L., P.L.L.
FIELD WILDCAT	P.D.C., F.D.C., S.M.P.
COUNTY LEA	STATE NEW MEXICO
LOCATION 1980' FRL 1980' FEL	
Sec. 33 Top 21-E Rpt. 32-E	
Formation Datum CASINO HEAD FLANGES Elev. 3813	Elev. K.R. 3824
Log Measured From 0.0 - 23.1 P. Above Form. Datum	D.F. 1837
Drilling Measured From 0.0	G.L. 3813



DATUM
 Siluro-Devonian



DST: Rec:
 3,000' WB,
 3,800' SGCM,
 9,671' XSW

DST:
 MTS: 27"
 GTS: 30"
 F/2850 MCF

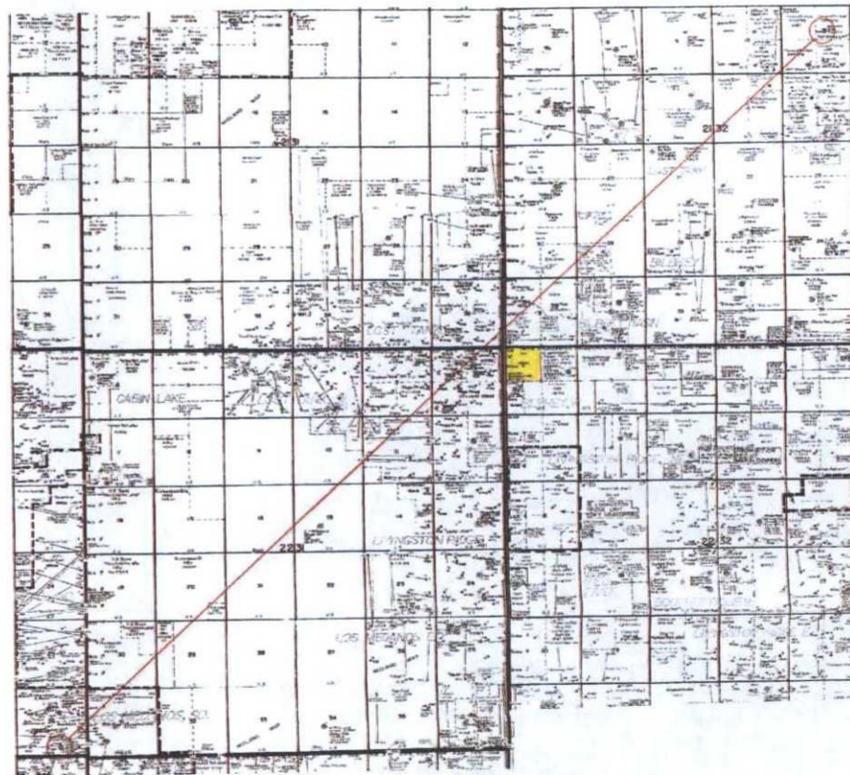
DST:
 M>S: 42"
 F/2770 MLF
 WTS: 130"

DST: Rec:
 14,600' XSW

DST: Rec:
 6,400' G &
 XWCM



Index Map



A

West Gramma Ridge
 SWD Well #1
 Eddy County, New Mexico
 Stratigraphic Cross Section



On time. On target. In touch.™

Water Well Report

<http://www.geo-search.net/QuickMap/index.htm?DataID=Standard0000114587>

Click on link above to access the map and satellite view of current property

Target Property:

**West Gramma Ridge SWD
Carlsbad, Eddy County, New Mexico 88220**

Prepared For:

Larson & Associates

Order #: 52475

Job #: 114587

Project #: 15-0126-00

PO #: 1703

Date: 07/22/2015

phone: 888-396-0042 · fax: 512-472-9967 · www.geo-search.com

TARGET PROPERTY SUMMARY

West Gramma Ridge SWD

Carlsbad, Eddy County, New Mexico 88220

USGS Quadrangle: The Divide, NM

Target Property Geometry: Point

Target Property Longitude(s)/Latitude(s):

(-103.718133, 32.424767)

County/Parish Covered:

Eddy (NM), Lea (NM)

Zipcode(s) Covered:

Carlsbad NM: 88220

Jal NM: 88252

State(s) Covered:

NM

***Target property is located in Radon Zone 2.**

Zone 2 areas have a predicted average indoor radon screening level between 2 and 4 pCi/L (picocuries per liter).

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GeoSearch

www.geo-search.com · phone: 888-386-0042 · fax: 512-472-9967

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS (miles)
FEDERAL				
UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM	NWIS	1	0	1.0000
SUB-TOTAL		1	0	
STATE (NM)				
WATER ADMINISTRATION TECHNICAL ENGINEERING RESOURCE WATERS SYSTEM		1	0	1.0000
SUB-TOTAL		1	0	

TOTAL

2 0

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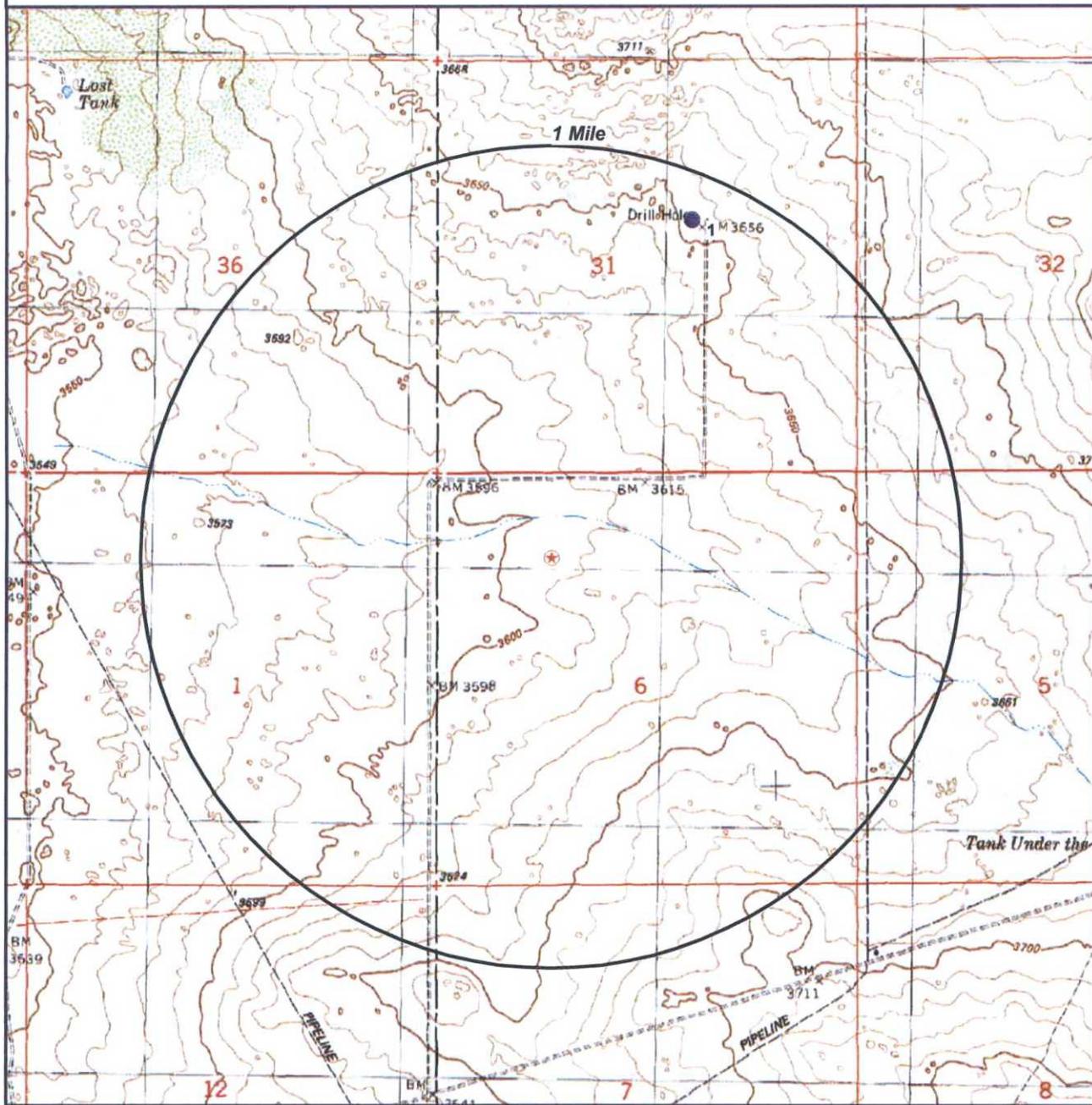
LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FEDERAL								
NWIS	1.000	0	0	0	0	1	NS	1
SUB-TOTAL		0	0	0	0	1	0	1
STATE (NM)								
WATERS	1.000	0	0	0	0	1	NS	1
SUB-TOTAL		0	0	0	0	1	0	1

TOTAL		0	0	0	0	2	0	2
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NOTES:
 NS = NOT SEARCHED
 TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

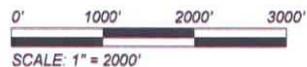
WATER WELL MAP



- ★ Target Property (TP)
- WATERS

West Gramma Ridge SWD
Carlsbad, New Mexico
88220

CONTOUR LINES REPRESENTED IN FEET



GeoSearch www.geo-search.com - phone: 888-396-0042 - fax: 512-472-9967

REPORT SUMMARY OF LOCATABLE SITES

MAP ID#	DATABASE NAME	SITE ID#	DISTANCE FROM SITE	SITE NAME	ADDRESS	CITY, ZIP CODE	PAGE #
1	NWIS	00183156	0.866 NE	21S.32E.31.2332			1
1	WATERS	C03635POD1	0.889 NE				2

GeoSearch

www.geo-search.com · phone: 888-396-0042 · fax: 512-472-9967

UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (NWIS)

MAP ID# 1 Distance from Property: 0.87 mi. NE

REPORTING AGENCY: US GEOLOGICAL SURVEY

SITE NUMBER: 322610103424201

STATION NAME: 21S.32E.31.2332

SITE TYPE: WELL

LATITUDE: 32.436234000 LONGITUDE: -103.712157000

DATE DRILLED: --

WELL DEPTH: NOT REPORTED

HOLE DEPTH: NOT REPORTED

LOCAL AQUIFER: NOT REPORTED

GeoSearch

www.geo-search.com · phone: 888-396-0042 · fax: 512-472-9967

WATER ADMINISTRATION TECHNICAL ENGINEERING RESOURCE SYSTEM (WATERS)

MAP ID# 1 Distance from Property: 0.89 mi. NE

GEOSEARCH ID: C03635POD1
OWNER'S NAME:
DATE DRILLED: NOT REPORTED
DEPTH DRILLED: 0.00000000000 FT.
DATE PLUGGED: / /
STATIC LEVEL: 0.00000000000 FT.
WATER USAGE: NOT REPORTED
LONGITUDE: -103.712250000
LATITUDE: 32.436639000

GeoSearch

www.geo-search.com · phone: 888-396-0042 · fax: 512-472-9967

ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

NWIS

United States Geological Survey National Water Information System

VERSION DATE: 7/2014

This USGS National Water Information System database only includes groundwater wells. The USGS defines this well type as: A hole or shaft constructed in the earth intended to be used to locate, sample, or develop groundwater, oil, gas, or some other subsurface material. The diameter of a well is typically much smaller than the depth. Wells are also used to artificially recharge groundwater or to pressurize oil and gas production zones. Additional information about specific kinds of wells should be recorded under the secondary site types or the Use of Site field. Underground waste-disposal wells should be classified as waste-injection wells.

GeoSearch

www.geo-search.com · phone: 888-396-0042 · fax: 512-472-9967

ENVIRONMENTAL RECORDS DEFINITIONS - STATE (NM)

WATERS

Water Administration Technical Engineering Resource System

VERSION DATE: 4/2014

This water well location data was extracted from the NM Office of the State Engineer's Water Administration Technical Engineering Resource System database. Changes are periodically added to the information and may be made at any time. The database may contain information for areas not complete, including in-progress areas, this information should not be relied on as accurate or complete.

GeoSearch

www.geo-search.com · phone: 888-396-0042 · fax: 512-472-9967

ATTACHMENT IX

Proposed Stimulation Program

The well will be perforated in intervals based on porosity and acidized. Coiled tubing will be used to place the acid across the porous zones accurately.

ATTACHMENT X

Logging and Test Data

A type log (Figure 1) was prepared from a test well (James Ranch Unit #1) that was drilled 17,555 feet (TD) and encountered Precambrian rock (granite) at 16,550 feet. The well was drilled about 8.7 miles southwest of the proposed SWD in Unit O (SW/4, SE/4), Section 36, Township 22 South and Range 30 East. The well was logged with conventional logging tools available at the time.

ATTACHMENT XI

Chemical Analysis from Fresh Water Well

A water well report compiled by Geosearch identified one well within 1-mile of the West Gramma Ridge SWD well. There was no information on groundwater or aquifer analysis available in this report.

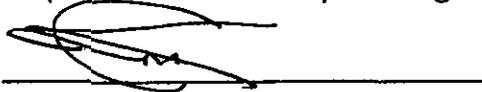
***Refer to attached Office of the State Engineer Well Inventory and Geosearch
Water Well Report
(Attachment VIII)***

ATTACHMENT XII

Faults and Hydrologic Connections

Statement

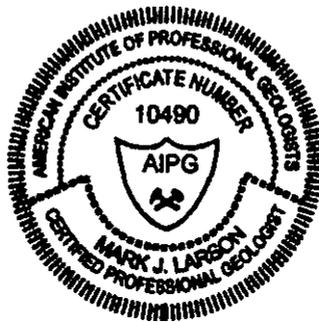
I, Mark J. Larson, have reviewed available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.



Mark J. Larson

August 28, 2015

Date



ATTACHMENT XIII

Proof of Notice

The following parties were identified as having surface/mineral/lease ownership within one-half mile of the proposed SWD well and were notified on July 29, 2015:

Abo Petroleum Corp.

105 South 4th street

Artesia, NM 88210

Exxon Mobil Oil Corporation

P.O. Box 4358

Houston, TX 77210

Centennial, A general partnership

P.O. Box 1713

Roswell, NM 88202

Glenn T. Mattlage

100 South Michigan

Roswell, NM 88201

David Petroleum Corporation

116 West 1st Street

Roswell, NM 88201

Jerry L. Hooper

P.O. Box 2126

Roswell, NM 88202

Devon Energy Production Company, LP

333 West Sheridan Avenue

Oklahoma City, OK 73102

Jeffery & Michele Wilson

P.O. Box 1654

Roswell, NM 88202

Edsel B. Neff, Jr.

116 West 1st Street

Roswell, NM 88201

J. Michael Norton, III

688 County Street

New Bedford, MA 02740

J. Hiram Moore, Ltd.

P.O. Box 1733

Midland, TX 79702

Johnson Enterprises, LP

P.O. Box 1713

Roswell, NM 88202

K & C Production Company

118 West 1st Street

Roswell, NM 88201

Lobos Energy Partners, LLC

309 South Halagueno Street

Carlsbad, NM 88220

The Long Trusts

P.O. Box 3096

Kilgore, TX 75663

Magnum Hunter Production Company

202 South Cheyenne Avenue, Suite 1000

Tulsa, OK 74103

Marbob Energy Corporation

P.O. Box 227

Artesia, NM 88211

**Midwest Resources 2001-1 Oil & Gas
Income Limited Partnership**

2511 North 124th Street, Suite 105

Brookfield, WI 53005

Myco Industries, Inc.

105 South 4th Street

Artesia, NM 88210

New Mexico Western Minerals

C/o Sanders, Bruin, Coil & Worley, P.A.

P.O. Box 550

Roswell, NM 88202

OXY USA, Inc.

P.O. Box 27570

Houston, TX 77227

PXP Producing Co., LLC

700 Milam Street, Suite 3100

Houston, TX 77002

TRNCO Petroleum Corporation

118 West 1st Street

Roswell, NM 88201

Richard G. Martin Revocable Trust

118 West 1st Street

Roswell, NM 88201

U.S. Bureau of Land Management

Carlsbad Field Office

620 East Greene Street

Carlsbad, NM 88220

Torch Oil & Gas Co.

1221 Lamar Street #1600

Houston, TX 77010

Yates Petroleum Corp.

105 South 4th Street

Artesia, NM 88210

Refer to attached Letters of Notification



WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

Glenn T. Mattlage
100 South Michigan
Roswell, NM 88201

Re: **Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico**

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (West Gramma Ridge SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

Legislative & Regulatory Affairs | Development

Encl.





WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

J Hiram Moore, Ltd
P.O. Box 1733
Midland, TX 79702

Re: **Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico**

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Sincerely,

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Luke Bross

Legislative & Regulatory Affairs | Development

Encl.





WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

J Michael Norton, III
688 County Street
New Bedford, MA 02740

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Sincerely,

Waste Connections, Inc.

Luke Bross
Legislative & Regulatory Affairs | Development

Enc/





WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

Jeffery & Michele Wilson
P.O. Box 1654
Roswell, NM 88202

Re: **Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico**

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Luke Bross

Legislative & Regulatory Affairs | Development

Encl.





WASTE CONNECTIONS, INC.
Connect with the Future[®]

August 28, 2015

Jerry L. Hooper
P.O. Box 2126
Roswell, NM 88202

Re: **Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico**

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (West Gramma Ridge SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Gross

Legislative & Regulatory Affairs | Development

Encl.





WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

Johnson Enterprises, LP
P.O. Box 1713
Roswell, NM 88202

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (West Gramma Ridge SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

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Encl.





WASTE CONNECTIONS, INC.
Connect with the Future

August 28, 2015

Edsel B. Neff, Jr.
116 West 1st Street
Roswell, NM 88201

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (West Gramma Ridge SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

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WASTE CONNECTIONS, INC.
Connect with the Future[®]

August 28, 2015

Exxon Mobil Oil Corporation
P.O. Box 4358
Houston, TX 77210

Re: **Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico**

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (West Gramma Ridge SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com, if you have questions. .

Sincerely,

Waste Connections, Inc.

Luke Bross

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WASTE CONNECTIONS, INC.
Connect with the Future

August 28, 2015

Devon Energy Production Company, LP
333 W. Sheridan Ave.
Oklahoma City, OK 73102

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (West Gramma Ridge SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

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WASTE CONNECTIONS, INC.
Connect with the Future[®]

August 28, 2015

David Petroleum Corporation
116 West 1st Street
Roswell, NM 88201

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

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Sincerely,

Waste Connections, Inc.

Luke Bross

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Encl.





WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

Centennial, a general partnership
P.O. Box 1713
Roswell, NM 88202

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (West Gramma Ridge SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

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Encl.





WASTE CONNECTIONS, INC.
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August 28, 2015

Yates Petroleum Corp.
105 South 4th Street
Artesia, NM 88210

Re: **Application for Salt Water Disposal (Okerlund SWD #1) Well, R360 Permian Basin, LLC, Unit J (NW/4, SE/4),
Section 7, Township 21 South, Range 32 East, Lea County, New Mexico**

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (Okerlund SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

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WASTE CONNECTIONS, INC.
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August 28, 2015

Abo Petroleum Corp.
105 South 4th street
Artesia, NM 88210

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

You are receiving a copy of the enclosed application because you have been identified as having an oil and gas lease within one-half mile of a proposed commercial salt water disposal well (West Gramma Ridge SWD #1). R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., located at 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Oil Conservation Division (OCD) in Santa Fe, New Mexico. You have 15 days to submit comments to the OCD at the District 1 office located at 1625 N. French Drive in Hobbs, New Mexico 88240 or 1220 South St. Francis Drive in Santa Fe, New Mexico 87505. Please forward a copy of your correspondence to Gary Wallace. You may contact Mr. Wallace by phone (281.873.3204 or 432.638.4076) or email gwallace@r360es.com, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

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RECYCLE



WASTE CONNECTIONS, INC.
Connect with the Future

August 28, 2015

OXY USA, Inc.
P.O. Box 27570
Houston, TX 77227

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

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Sincerely,

Waste Connections, Inc.

Luke Bross

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WASTE CONNECTIONS, INC.
Connect with the Future

August 28, 2015

PXP Producing Co., LLC
700 Milam Street, Suite 3100
Houston, TX 77002

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

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Sincerely,

Waste Connections, Inc.

Luke Bross

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WASTE CONNECTIONS, INC.
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August 28, 2015

Richard G. Martin Revocable Trust
118 West 1st Street
Roswell, NM 88201

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.

Luke Bross

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WASTE CONNECTIONS, INC.
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August 28, 2015

The Long Trusts
P.O. Box 3096
Kilgore, TX 75663

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.

Luke Bross
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Encl.





WASTE CONNECTIONS, INC.
Connect with the Future™

August 28, 2015

Torch Oil & Gas Co.
1221 Lamar Street #1600
Houston, TX 77010

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.


Luke Bross

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Encl.





WASTE CONNECTIONS, INC.
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August 28, 2015

TRNCO Petroleum Corporation
118 West 1st Street
Roswell, NM 88201

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.

Luke Bross

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Encl.





WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

New Mexico Western Minerals
C/o Sanders, Bruin, Coil & Worley, P.A.
P.O. Box 550
Roswell, NM 88202

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.

Luke Bloss

Legislative & Regulatory Affairs | Development

Encl.





WASTE CONNECTIONS, INC.
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August 28, 2015

Myco Industries, Inc.
105 South 4th Street
Artesia, NM 88210

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.

Luke Gross

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Encl.





WASTE CONNECTIONS, INC.
Connect with the Future

August 28, 2015

Midwest Resources 2001-1 Oil & Gas Income Limited Partnership
2511 North 124th Street, Suite 105
Brookfield, WI 53005

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.

Luke Bross

Legislative & Regulatory Affairs | Development

Encl.





WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

Marbob Energy Corporation

P.O. Box 227

Artesia, NM 88211

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

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Sincerely,

Waste Connections, Inc.

Luke Bross

Legislative & Regulatory Affairs | Development

Encl.





WASTE CONNECTIONS, INC.
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August 28, 2015

Magnum Hunter Production Company
202 South Cheyenne Avenue, Suite 1000
Tulsa, OK 74103

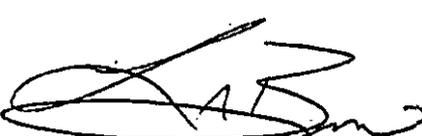
Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.


Luke Bross

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WASTE CONNECTIONS, INC.
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August 28, 2015

Lobos Energy Partners, LLC
309 South Halagueno Street
Carlsbad, NM 88220

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear Lessee:

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Sincerely,

Waste Connections, Inc.



Luke Gross

Legislative & Regulatory Affairs | Development

Encl.





WASTE CONNECTIONS, INC.
Connect with the Future

August 28, 2015

K & C Production Company
118 West 1st Street
Roswell, NM 88201

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

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Sincerely,

Waste Connections, Inc.

Luke Bross

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WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

Mr. Richard Ezeanyim, Bureau Chief
Engineering and Geological Services
New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Commercial SWD Well Application, West Gramma Ridge SWD #1, 360 Permian Basin LLC, Unit C (NE/4, NW/4),
Section 6, Township 22 South, Range 32 East, Lea County, New Mexico**

Dear Mr. Ezeanyim,

R360 Permian Basin, LLC (R360), a wholly owned subsidiary of Waste Connections, Inc., submits the enclosed application to the New Mexico Oil Conservation Division (OCD) to permit, construct and operate a commercial salt water disposal (SWD) well (West Gramma Ridge SWD #1) in Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, in Lea County, New Mexico. The well will be located 1,105' FNL and 1,480' FWL. The well will be located on property owned by the U.S. Government and administered by the Bureau of Land Management (BLM). The well will be used to reinject liquid E & P waste into the Devonian section between 15,550 and 16,500 feet. Notification and a copy of the permit application were sent to the NMOCD District 1 office in Hobbs, New Mexico, surface mineral and lease owners within ½ mile of the proposed SWD well. Copies of the notification letters and certified mail receipts are presented in Attachment XIII of the application. Please contact me at (281) 873-3202, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

Legislative & Regulatory Affairs | Development

cc: Maxey Brown – OCD District 1

Encl.





WASTE CONNECTIONS, INC.
Connect with the Future®

August 28, 2015

Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, NM 88220

Re: Application for Salt Water Disposal (West Gramma Ridge SWD #1) Well, R360 Permian Basin, LLC, Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, Lea County, New Mexico

Dear BLM:

The enclosed application has been submitted to the New Mexico Oil Conservation Division (OCD) for permitting a commercial salt water disposal (SWD) well in Unit J (NW/4, SE/4) Section 7, Township 21 South, Range 32 East, in Lea County, New Mexico. You are receiving this letter and application as Administrator of U.S. Government Lands. Please contact me at (281) 873-3202, if you have questions.

Sincerely,

Waste Connections, Inc.

Luke Bross

Legislative & Regulatory Affairs | Development

Encl.



PUBLIC NOTICE

The attached public notice will be submitted to the Hobbs News Sun on September 1, 2015, for one-time publication.

PUBLIC NOTICE

R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., 3 Waterway Square Place, Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division for a commercial salt water disposal well (West Gramma Ridge SWD #1). The well will be located 1105' FNL and 1480' FWL, in Unit C (NE/4, NW/4), Section 6, Township 22 South, Range 32 East, in Lea County, New Mexico. The well will be located approximately 40 miles southwest of Hobbs, New Mexico. The well is proposed to inject exempt liquid E & P waste into the Devonian between 14,000' and 16,000'. Interested parties must file objections within 15 days of the date of this publication or prior to release of this permit. Objections or concerns should be copied both to this applicant and to the Director of the New Mexico Oil Conservation Division at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, (505) 476-3448.

OCD Permitting

Home Land Searches Land Details

Section : 06-22S-32E

Type: Normal

Total Acres: 655.31

County: Lea (25)

D (4) R * Federal ¹ Federal ² (25) 43.77	C (3) R * Federal ¹ Federal ² (25) 39.88	B (2) R * Federal ¹ Federal ² (25) 39.8	A (1) Federal ¹ Federal ² (25) 39.72
E (5) R * Federal ¹ Federal ² (25) 43.93	F (F) R * Federal ¹ Federal ² (25) 40	G (G) Federal ¹ Federal ² (25) 40	H (H) Federal ¹ Federal ² (25) 40
L (8) R * Federal ¹ Federal ² (25) 44.05	K (K) Federal ¹ Federal ² (25) 40	J (J) Federal ¹ Federal ² (25) 40	I (I) Federal ¹ Federal ² (25) 40
M (7) R * Federal ¹ Federal ² (25) 44.16	N (N) Federal ¹ Federal ² (25) 40	O (O) Federal ¹ Federal ² (25) 40	P (P) Federal ¹ Federal ² (25) 40

Note * = Restriction Code(s)

Note ¹ = Surface Owner Rights

Note ² = Sub-Surface Mineral Rights

Land Restrictions

06-22S-32E B (2)	POT - Drilling Restricted Due to Potash
06-22S-32E C (3)	POT - Drilling Restricted Due to Potash
06-22S-32E D (4)	POT - Drilling Restricted Due to Potash
06-22S-32E E (5)	POT - Drilling Restricted Due to Potash
06-22S-32E F (F)	POT - Drilling Restricted Due to Potash
06-22S-32E L (6)	POT - Drilling Restricted Due to Potash
06-22S-32E M (7)	POT - Drilling Restricted Due to Potash

[Return to Search](#)



C-108 Review Checklist: Received _____ Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX (SWD) Number: 159K Order Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): West Gramma Ridge

API: 30-0 25-Vendry Spud Date: TBD New or Old: (UIC Class II Primacy 03/07/1982)

Footages 1105FWL 1480FWL Lot or Unit C Sec 6 Tsp 22S Rge 32E County LEC

General Location: 7.35 miles W of Gramma Pool: Pool No.:

BLM 100K Map: JAH Operator: Permian Basin LLC OGRID: 289936 Contact: L & K B. MOSS

COMPLIANCE RULE 5.9: Total Wells: 2 Inactive: 0 Fincl Assur: Y Compl. Order? MA IS 5.9 OK? Y Date: 11-12-15

WELL FILE REVIEWED 0 Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed 0 or RE-ENTER: Before Conv. 0 After Conv. 0 Logs in Imaging: _____

Planned Rehab Work to Well: Run 7" C-B-L to surface

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement (Sx or Cf)	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	26/20	1060	1400	Surface/Visual
Planned ___ or Existing ___ Interm/Prod	17 1/2/13 3/8	3350	1999	Surface/Visual
Planned ___ or Existing ___ Interm/Prod	12 1/4/9 5/8	10960	2108	Surface/Visual
Planned ___ or Existing ___ Prod/Liner	8 1/2/7		1576	Surface/Visual
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH/PERF	15500 16500/16550	16550	Inj Length 1000	

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.		149/16200	16500	Drilled TD: 16500 PBDT: 16500
Confining Unit: Litho. Struc. Por.		5150/5980	15900	NEW TD: _____ NEW PBDT: _____
Proposed Inj Interval TOP:	15500			NEW Open Hole <input checked="" type="radio"/> or NEW Perfs <input type="radio"/>
Proposed Inj Interval BOTTOM:	16500			Tubing Size 4 1/2 in. Inter Coated? <input checked="" type="checkbox"/>
Confining Unit: Litho. Struc. Por.				Proposed Packer Depth 16500 ft
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth 16400 (100-ft limit)
				Proposed Max. Surface Press. 2800 psi
				Admin. Inj. Press. 3110 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P Noticed? _____ BLM Sec Ord WIPP Noticed? _____ Salt/Salado T: _____ B: _____ NW: Cliff House fm _____

FRESH WATER: Aquifer Dockum Max Depth _____ HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: CAPITAN REEF Delaware BP 6500 ft 22S 32E LEC 159K Permian Basin 289936 L & K B. MOSS 11-12-15 Proposed 7.35 miles W of Gramma 26/20 1060 1400 Surface/Visual 17 1/2/13 3/8 3350 1999 Surface/Visual 12 1/4/9 5/8 10960 2108 Surface/Visual 8 1/2/7 1576 Surface/Visual 15500 16500/16550 16550 1000 16500 PBDT 16500 NEW TD NEW PBDT NEW Open Hole NEW Perfs Tubing Size Inter Coated? Proposed Packer Depth ft Min. Packer Depth (100-ft limit) Proposed Max. Surface Press. psi Admin. Inj. Press. (0.2 psi per ft)

Disposal Fluid: Formation Source(s) _____ Analysis? _____ On Lease Operator Only or Commercial

Disposal Int: Inject Rate (Avg/Max BWPDP): _____ Protectable Waters? _____ Source: _____ System: Closed or Open

HC Potential: Producing Interval? NA Formerly Producing? _____ Method: Logs/DST/P&A/Other NA 2-Mile Radius Pool Map

AOR Wells: 1/2-M Radius Map? Well List? Total No. Wells Penetrating Interval: 0 Horizontals? _____

Penetrating Wells: No. Active Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells 0 Num Repairs? _____ on which well(s)? _____ Diagrams? _____

NOTICE: Newspaper Date _____ Mineral Owner BLM Surface Owner BLM N. Date 8/28

RULE 26.7(A): Identified Tracts? _____ Affected Persons: EXXON, OXY N. Date 8/28

Order Conditions: Issues: 7" C-B-L surface

Add Order Cond: _____

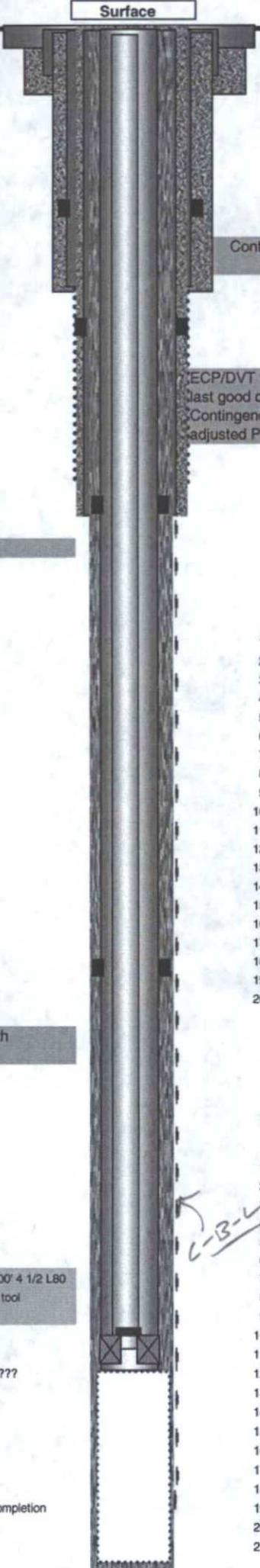
Cambrian Management

EXECUTIVE SUMMARY WELLBORE DIAGRAM

WELL NAME: R 360 West Gamma Ridge SWD 1		STATE: New Mexico		Permit #		Job #															
LOCATION: T 22 S, R 32 E Sec 6 NE 1/4 NW 1/4		COUNTY: Lea		Spud TD		Rig Release rig Days															
LOCATION:		DATE		Drill		0															
ELEVATION:				Complete		0															
API#				TVD		16550 PBD															
Drill Contractor: TBD		PREPARED: A Rickard		Total Depth		16550															
DEPTH		HOLE SIZE		CASING SIZE		WEIGHT		GRADE		THREAD		CMT		CMT VOL		TOC		centralizers		DV Depth	
Conductor CASING:												See cement slurries below									
Surf CASING:		1060	26"	20"	106.4 ppf	J55	LTC	See cement tab on bottom				surface	TBD	none							
1st Int CASING:		3500	17 1/2"	13 3/8"	68 ppf	J-55	LTC					surface	TBD	1800							
2nd Int CASING:		10960	12 1/4"	9 5/8"	53.5	L-80	LTC					surface	TBD	3830							
Prod Casing		15550	8 1/2"	7"	35/29/35	CL80-P110-HCL	LTC					surface	Temp Survey	10600/7660							
Tubing		15550	5 7/8"	4 1/2"	11.6	P110-L80	8md LTC														

Water Board Depth
 Last updated
 Regulator Mark Larson
 Drilling Dallas
 Complete Andy
 Workover

Date
 Initial Potential
 Oil(BOPD)
 Gas (MCFD)
 Water (BPD)
 GOR
 Flowing/Pumping
 Choke
 Flowing Tbg psi
 Csg Pressure
 Oil Gravity



Vendor	Type	Rating
C		
B		
A		

Geology Formation	Depth (top)
1 Dewey Lake	430
2 Salado	520
3 Tansil	
4 Yates	
5 Capitan	
6 Delaware Mountain	3830
7 Bone Spring	7760
8 Wolfcamp	10960
9 Strawn	12570
10 Atoka	12840
11 Morrow	13320
12 Barnett	14330
13 Mississippian Lime	14940
14 Woodford Shale	15340
15 Devonian	15550
16 Montoya	
17 Simpson	
18 Ellenberger	
19 Granite	

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Production Equip			
Type of lift	Depth		
Items	Length	ID	OD
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21			

CLS100 5000' 4 1/2 p110 9300' 4 1/2 L80
 Arrowset 1X w/ O/O tool
 F nipple R nipple

11000' 7" p110
 3300' 7" HCL80 ???
 7" @ 15,550'

C-B-L

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
September 05, 2015
and ending with the issue dated
September 05, 2015.



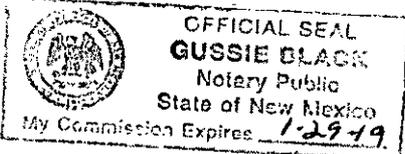
Publisher

Sworn and subscribed to before me this
5th day of September 2015.



Business Manager

My commission expires
January 29, 2019
(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE
September 5, 2015
PUBLIC NOTICE
R360 Permian Basin, LLC, a wholly owned subsidiary of Waste Connections, Inc., 3 Waterway Square, Place Suite 110, The Woodlands, Texas 77380, has submitted an application to the New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division for a commercial salt water disposal well (West Gramma Ridge SWD #1). The well will be located 1105' FNL and 1480' FWL in Unit C (NE/4 NW/4), Section 6, Township 22 South, Range 32 East, in Lea County, New Mexico. The well will be located approximately 40 miles southwest of Hobbs, New Mexico. The well is proposed to inject exempt liquid E&P waste into the Devonian between 14,000' and 16,000'. Interested parties must file objections within 15 days of the date of this publication or prior to release of this permit. Objections or concerns should be copied both to this applicant and to the Director of the New Mexico Oil Conservation Division at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. (505) 476-3448. #30304.

02105581

00162632

MARK LARSON
LARSON AND ASSOCIATES
507 NORTH MARIENFELD SUITE 202
MIDLAND, TX 79701

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8024 71

ARTICLE ADDRESS TO:
R360 Environmental Solutions
3 Waterway Square Pl Suite 110
The Woodlands TX 77380-3488
(2 copies sent)

FEEES

Postage per piece	\$8.85
Certified Fee	3.45
Return Receipt Fee	2.80
Total Postage & Fees:	\$15.10

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ARTICLE NUMBER
9402 6118 9956 2046 8635 71

ARTICLE ADDRESS TO:
Mr. Richard Ezeanyim
Bureau Chief
Engineering and Geological Services
NMOCD
1220 South St. Francis Drive
Santa Fe NM 87505-4225

FEEES

Postage per piece	\$8.85
Certified Fee	3.45
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Total Postage & Fees:	\$15.10

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NICKI BISHOP

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Article Addressed To:
Mr. Richard Ezeanyim
Bureau Chief
Engineering and Geological Services
NMOCD
1220 South St. Francis Drive
Santa Fe NM 87505-4225

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2040 9859 89

ARTICLE ADDRESS TO:
David Petroleum Corporation
116 West 1st Street
Roswell NM 88203-4702

FEEES

Postage per piece	\$5.95
Certified Fee	3.45
Return Receipt Fee	2.80
Total Postage & Fees:	\$12.20

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MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

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David Bellizzi

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116 West 1st Street
Roswell NM 88203-4702

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ARTICLE NUMBER
9402 6118 9956 2040 9887 75

ARTICLE ADDRESS TO:
Devon Energy Production Company, LP
333 West Sheridan Avenue
Oklahoma City OK 73102-5010

FEEES

Postage per piece	\$7.05
Certified Fee	3.45
Return Receipt Fee	2.80
Total Postage & Fees:	\$13.30

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MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

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David Carroll

B. Received By: (Please Print Name)

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Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

9402 6118 9956 2040 9887 75

RETURN RECEIPT REQUESTED

Article Addressed To:
Devon Energy Production Company, LP
333 West Sheridan Avenue
Oklahoma City OK 73102-5010

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2040 9056 28

ARTICLE ADDRESS TO:
Jeffery and Michele Wilson
P.O. Box 1654
Roswell NM 88202-1654

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20

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MARK LARSON
507 N. MARIENFELD ST, SUITE 205
MIDLAND, TX 79701

PS Form 3800 (03/02)

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A. Return to: (Addressee or Agent)
Mark Larson

B. Received By: (Please Print Clearly)
Mark Larson

C. Date of Delivery
9-8-15

D. Addressee's Address (If Different From Address Used by Sender)
Jeffery and Michele Wilson
P.O. Box 1654
Roswell NM 88202-1654

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

RETURN RECEIPT REQUESTED

Article Addressed To:
Jeffery and Michele Wilson
P.O. Box 1654
Roswell NM 88202-1654

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Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 0568 36

ARTICLE ADDRESS TO:
J. Hiram Moore, Ltd.
P.O. Box 1733
Midland TX 79702-1733

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Total Postage & Fees: \$12.20

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Mark Larson

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Mark Larson

C. Date of Delivery
9-8-15

D. Addressee's Address (If Different From Address Used by Sender)
Mr. Maxey Brown
NMOC District 1
1625 N. French Drive
Hobbs NM 88240-9273

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

RETURN RECEIPT REQUESTED

Article Addressed To:
Mr. Maxey Brown
NMOC District 1
1625 N. French Drive
Hobbs NM 88240-9273

9402 6118 9956 2078 4614 24

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2070 4614 24

ARTICLE ADDRESS TO:
Mr. Maxey Brown
NMOC District 1
1625 N. French Drive
Hobbs NM 88240-9273

FEEES
Postage per piece \$5.95
Certified Fee 3.45
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Total Postage & Fees: \$12.20

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ARTICLE NUMBER
9402 6118 9956 3820 4762 39

ARTICLE ADDRESS TO:
Mr. J. Michael Norton III
688 County Street
New Bedford MA 02740-8721

FEEES
Postage per piece \$11.55
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$17.80

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ARTICLE NUMBER
9402 6118 9956 2040 9038 22

FEEES
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Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20

ARTICLE ADDRESS TO:
Glenn T. Mattlage
100 South Michigan Ave
Roswell NM 88203-3861



MARK LARSON
MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

CERTIFIED MAIL

9402 6118 9956 2040 9038 22

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (D. Addressee or D. Agent)
Mark Larson

B. Received By: (Please Print Clearly)

C. Date of Delivery
9-10-15

D. Addressee's Address (if Different from Address Used by Sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

RETURN RECEIPT REQUESTED

Article Addressed To:



Glenn T. Mattlage D.D.S.
100 South Michigan Ave
Roswell NM 88203-3861

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2040 9040 65

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20

ARTICLE ADDRESS TO:
Jerry L. Hooper
P.O. Box 2126
Roswell NM 88202-2126



U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 6337 41

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20

ARTICLE ADDRESS TO:
Lobos Energy Partners, LLC
309 South Halagueno Street
Carlsbad NM 88220-5630



U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8352 57

FEEES
Postage per piece \$7.05
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$13.30

ARTICLE ADDRESS TO:
The Long Trusts
P.O. Box 3096
Kilgore TX 75663-3096



MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

CERTIFIED MAIL

9402 6118 9956 2046 8352 57

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (D. Addressee or D. Agent)
Mark Larson

B. Received By: (Please Print Clearly)

C. Date of Delivery

D. Addressee's Address (if Different from Address Used by Sender)

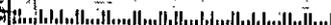
Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

RETURN RECEIPT REQUESTED

Article Addressed To:



The Long Trusts
P.O. Box 3096
Kilgore TX 75663-3096

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8386 07

FEES
Postage per piece \$7.05
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$13.30

ARTICLE ADDRESS TO:
Magnum Hunter Production Company
202 South Cheyenne Avenue, Suite 1000
Tulsa OK 74103-3001



CERTIFIED MAIL

MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

COMPLETE THIS SECTION ON DELIVERY

A. Signature: Addressee or Agent
Justin Wallace
B. Received By: JUSTIN WALLACE

9402 6118 9956 2046 8388 07

RETURN RECEIPT REQUESTED

C. Date of Delivery

D. Addressee's Address (If Different From Address Used by Sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

Article Addressed To:
Magnum Hunter Production Company
202 South Cheyenne Avenue, Suite 1000
Tulsa OK 74103-3001

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8363 64

FEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20

ARTICLE ADDRESS TO:
Marbob Energy Corporation
P.O. Box 227
Artesia NM 88211-0227



U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8970 18

FEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20

ARTICLE ADDRESS TO:
Richard G. Martin Revocable Trust
118 West 1st Street
Roswell NM 88203-4702



U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8914 13

FEES
Postage per piece \$7.05
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$13.30

ARTICLE ADDRESS TO:
Torch Oil & Gas Co.
1221 Lamar Street, Suite 1600
Houston TX 77010-3039



CERTIFIED MAIL

MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

COMPLETE THIS SECTION ON DELIVERY

A. Signature: Addressee or Agent
LaLeux
B. Received By: (Please Print Clearly)
LaLeux

9402 6118 9956 2046 8914 13

RETURN RECEIPT REQUESTED

C. Date of Delivery
9-10-15

D. Addressee's Address (If Different From Address Used by Sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

Article Addressed To:
Torch Oil & Gas Co.
1221 Lamar Street, Suite 1600
Houston TX 77010-3039

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8732 97

ARTICLE ADDRESS TO:
PXP Producing Co., LLC
700 Milam Street, Suite 3100
Houston TX 77002-2764

FEES
Postage per piece \$7.05
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$13.30



U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8234 48

ARTICLE ADDRESS TO:
TRNCO Petroleum Corporation
118 West 1st Street
Roswell NM 88203-4702

FEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20



U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2040 9602 45

ARTICLE ADDRESS TO:
Abo Petroleum Corp
105 South 4th Street
Artesia NM 88210-2177

FEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20



U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2040 9660 32

ARTICLE ADDRESS TO:
Centennial, A general partnership
P.O. Box 1713
Roswell NM 88202-1713

FEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20



MARK LARSON
507 N. MARIENFELD ST, SUITE 205
MIDLAND, TX 79701

CERTIFIED MAIL

9402 6118 9956 2040 9602 45

RETURN RECEIPT REQUESTED

Article Addressed To:
Abo Petroleum Corp
105 South 4th Street
Artesia NM 88210-2177

PS Form 3800 (03)

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)
Mark Larson

B. Received By: (Please Print Clearly)
N. Anderson

C. Date of Delivery
9/17/03

D. Addressee's Address (If Different From Address Used by Sender)
Secondary Address / Suite / Apt. / Floor (Please Print Clearly)
Delivery Address
City State ZIP + 4 Code

MARK LARSON
507 N. MARIENFELD ST, SUITE 205
MIDLAND, TX 79701

CERTIFIED MAIL

9402 6118 9956 2040 9660 32

RETURN RECEIPT REQUESTED

Article Addressed To:
Centennial, A general partnership
P.O. Box 1713
Roswell NM 88202-1713

PS Form 3800 (03)

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)
Mark Larson

B. Received By: (Please Print Clearly)
Lori Mendon

C. Date of Delivery
9/17/03

D. Addressee's Address (If Different From Address Used by Sender)
Secondary Address / Suite / Apt. / Floor (Please Print Clearly)
Delivery Address
City State ZIP + 4 Code

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 0064 66

ARTICLE ADDRESS TO:
K & C Production Company
118 West 1st Street
Roswell NM 88203-4702

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20



MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)

X *Donnie Brainer*
B. Received By: (Please Print Clearly)
Donnie Brainer

C. Date of Delivery
9/14/15

D. Addressee's Address (if different from address used by sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

CERTIFIED MAIL

9402 6118 9956 2046 0064 66

RETURN RECEIPT REQUESTED

Article Addressed To:

K & C Production Company
118 West 1st Street
Roswell NM 88203-4702

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 0634 52

ARTICLE ADDRESS TO:
Johnson Enterprises, LP
P.O. Box 1713
Roswell NM 88202-1713

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20



MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)

X *Lori Mendore*
B. Received By: (Please Print Clearly)
Lori Mendore

C. Date of Delivery

D. Addressee's Address (if different from address used by sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

CERTIFIED MAIL

9402 6118 9956 2046 0634 52

RETURN RECEIPT REQUESTED

Article Addressed To:

Johnson Enterprises, LP
P.O. Box 1713
Roswell NM 88202-1713

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8288 53

ARTICLE ADDRESS TO:
Yates Petroleum Corp.
105 South 4th Street
Artesia NM 88210-2122

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20



507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)

X *N Anderson*
B. Received By: (Please Print Clearly)
N Anderson

C. Date of Delivery
9/14/15

D. Addressee's Address (if different from address used by sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

CERTIFIED MAIL

9402 6118 9956 2046 8288 53

RETURN RECEIPT REQUESTED

Article Addressed To:

Yates Petroleum Corp.
105 South 4th Street
Artesia NM 88210-2122

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8221 03

ARTICLE ADDRESS TO:
U.S. Bureau of Land Management
620 East Greene Street
Carlsbad NM 88220-6292

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20



MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)

X *SOULES*
B. Received By: (Please Print Clearly)

C. Date of Delivery

D. Addressee's Address (if different from address used by sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

CERTIFIED MAIL

9402 6118 9956 2046 8221 03

RETURN RECEIPT REQUESTED

Article Addressed To:

U.S. Bureau of Land Management
620 East Greene Street
Carlsbad NM 88220-6292

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2040 9870 51

ARTICLE ADDRESS TO:
Mr. Edsel B. Neff Jr.
116 West 1st Street
Roswell NM 88203-4702

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees \$12.20

Postmark Here

CERTIFIED MAIL

MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

PS Form 3800 (0/03)

9402 6118 9956 2040 9870 51

RETURN RECEIPT REQUESTED

Article Addressed To:
Mr. Edsel B. Neff Jr.
116 West 1st Street
Roswell NM 88203-4702

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)
x/Edsel Neff

B. Received By: (Please Print Clearly)

C. Date of Delivery
9-4-15

D. Addressee's Address (If Different From Address Used by Sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2040 9816 15

ARTICLE ADDRESS TO:
Exxon Mobil Oil Corporation
P.O. Box 4358
Houston TX 77210-4358

FEEES
Postage per piece \$7.05
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees \$13.30

Postmark Here

CERTIFIED MAIL

MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

PS Form 3800 (0/03)

9402 6118 9956 2040 9816 15

RETURN RECEIPT REQUESTED

Article Addressed To:
Exxon Mobil Oil Corporation
P.O. Box 4358
Houston TX 77210-4358

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)
x/James Felder

B. Received By: (Please Print Clearly)
JAMES FELDER

C. Date of Delivery
SEP - 8 2015

D. Addressee's Address (If Different From Address Used by Sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8133 16

ARTICLE ADDRESS TO:
Midwest Resources 2001-1 Oil & Gas
2511 North 124th Street, Suite 105
Brookfield WI 53005-4684

FEEES
Postage per piece \$9.75
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees \$16.00

Postmark Here

CERTIFIED MAIL

MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

PS Form 3800 (0/03)

9402 6118 9956 2046 8133 16

RETURN RECEIPT REQUESTED

Article Addressed To:
Midwest Resources 2001-1 Oil & Gas
2511 North 124th Street, Suite 105
Brookfield WI 53005-4684

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)
x/Arny Welch

B. Received By: (Please Print Clearly)
WELCH

C. Date of Delivery
9/11/15

D. Addressee's Address (If Different From Address Used by Sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8159 52

ARTICLE ADDRESS TO:
Myco Industries, Inc.
105 South 4th Street
Artesia NM 88210-2177

FEEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees \$12.20

Postmark Here

CERTIFIED MAIL

MARK LARSON
507 N. MARIENFELD ST. SUITE 205
MIDLAND, TX 79701

PS Form 3800 (0/03)

9402 6118 9956 2046 8159 52

RETURN RECEIPT REQUESTED

Article Addressed To:
Myco Industries, Inc.
105 South 4th Street
Artesia NM 88210-2177

COMPLETE THIS SECTION ON DELIVERY

A. Signature: (If Addressee or Agent)
x/Myco Industries

B. Received By: (Please Print Clearly)
N Anderson

C. Date of Delivery
9/11/15

D. Addressee's Address (If Different From Address Used by Sender)

Secondary Address / Suite / Apt. / Floor (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8448 77

FEES
Postage per piece \$5.95
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$12.20

ARTICLE ADDRESS TO:
New Mexico Western Minerals
C/o Sanders Bruin Coil Worley PA
PO Box 550
Roswell NM 88202-0550



MARK LARSON
367 N. WARIENFELD ST. SUITE 205
MIDLAND, TX 79701

CERTIFIED MAIL

9402 6118 9956 2046 8448 77

COMPLETE THIS SECTION ON DELIVERY

A. Signature: () Addressee or () Agent

Mark Larson

B. Received By: (Please Print Clearly)

Mark Larson

C. Date of Delivery

D. Addressee's Address (if Different from Address Used by Sender)

Secondary Address (Suite / Apt. / Fl. / Room) (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

9402 6118 9956 2046 8448 77

RETURN RECEIPT REQUESTED

Article Addressed To:

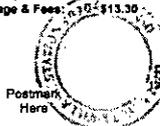
New Mexico Western Minerals
C/o Sanders Bruin Coil Worley PA
PO Box 550
Roswell NM 88202-0550

U.S. Postal Service
Certified Mail Receipt

ARTICLE NUMBER
9402 6118 9956 2046 8429 10

FEES
Postage per piece \$7.05
Certified Fee 3.45
Return Receipt Fee 2.80
Total Postage & Fees: \$13.30

ARTICLE ADDRESS TO:
OXY USA, Inc.
P.O. Box 27570
Houston TX 77227-7570



MARK LARSON
367 N. WARIENFELD ST. SUITE 205
MIDLAND, TX 79701

CERTIFIED MAIL

9402 6118 9956 2046 8429 10

COMPLETE THIS SECTION ON DELIVERY

A. Signature: () Addressee or () Agent

Mark Larson

B. Received By: (Please Print Clearly)

BOARI

C. Date of Delivery

D. Addressee's Address (if Different from Address Used by Sender)

Secondary Address (Suite / Apt. / Fl. / Room) (Please Print Clearly)

Delivery Address

City State ZIP + 4 Code

RETURN RECEIPT REQUESTED

Article Addressed To:

OXY USA, Inc.
P.O. Box 27570
Houston TX 77227-7570