

DATE IN 11/15/2014	SUSPENSE	ENGINEER RBG	LOGGED IN 11/15/2014	TYPE SLO	APP NO. PMA/MB 0165342
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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
- [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.

Billy E. Prichard Billy E. Prichard Agent for Cart Hill Energy 9/28/14
 Print or Type Name Signature Title Date

billy@pwllc.net
 e-mail Address



Pueblo West Resources
125 Greathouse Village
Decatur, Texas 76234
432-934-7680

310549

September 29, 2014

Per the rules and regulations of the New Mexico Oil Conservation Division enclosed is copy of NMDC Form C108

Cart Hill Energy, L.L.C., 125 W. St Anne, Hobbs, NM 88240 has filed form C108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the conversion of the Shelley 34 State # 3, API 30-025-36432, 990 FNL x 1700 FEL, Unit Letter "B", Section 34, T19S, R37E, Lea County, New Mexico from a plugged and abandoned oil well to a commercial San Andres salt water disposal well. The disposal interval would be the San Andres formation through perforations 4028 feet to 5256 feet. Disposal fluid would be produced water trucked in from numerous producing oil wells in southeastern New Mexico. Anticipated disposal rate 3000 BWPD with a maximum disposal rate of 7500 BWPD. Anticipated disposal pressure of 0 (Zero) psi with a maximum disposal pressure of 805 psi. Well is located approximately 2 miles east of Monument, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Billy Prichard 432-934-7680

Sincerely,

Billy E. Prichard

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ☒ Disposal
Storage
Application qualifies for administrative approval? ☒ Yes _____ No
- II. OPERATOR: *Cart Hill Energy, L.L.C.*
ADDRESS: *125 W. St. Anne Hobbs, NM 88240*
CONTACT PARTY: *Marvin Burrows* PHONE: *575-631-8067*
- 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: *Billy E. Prichard* TITLE: *Agent for Cart Hill Energy, L.L.C.*
SIGNATURE:  DATE: _____
E-MAIL ADDRESS: *billy@pwillc.net*
- * 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: _____

**Cart Hill Energy, L.L.C.
Shelley 34 State # 3
API 30-025-36432
Lea County, New Mexico**

C108 (Application for Authorization to Inject)

I.

The purpose of this application is to convert the Shelley 34 State # 3 from a plugged and abandoned oil well to a San Andres commercial salt water disposal well. The application qualifies for administrative approval.

II.

**Operator: Cart Hill Energy, L.L.C.
Address: 125 W. St. Anne Hobbs, New Mexico 88240
Contact Party: Billy E. Prichard Phone: 432-934-7680**

III.

Please see Exhibit "A" for well data

IV.

This is an not expansion of an existing project.

V.

Please see Exhibit "B" for map of Area of Review

VI.

Please see Exhibit "C" for AOR well data

VII.

- 1. Anticipated disposal rate is 3000 BWPD with a maximum disposal rate of 7500 BWPD.**
- 2. The system will be open.**
- 3. Anticipated disposal press is 0(Zero)psi with a maximum disposal pressure of 805 psi.**
- 4. Disposed fluid will be trucked in from producing wells in the immediate area. Please see Exhibit "D" for disposal fluid analysis**
- 5. Please see Exhibit "D" for San Andres water analysis.**

VIII.

**The proposed disposal interval is the San Andres formation 4028'-5256'
Top of San Andres 4010 feet - Dolomite
Above the San Andres is the Grayburg formation
Below the San Andres is the Glorieta formation**



1-mile radius

Section 33: 0 [numerous wells outside of radius]

Section 34: 13 shallow wells

Section 27: 3/2 shallow, one to 130

Section 28: 1 shallow

Section 31: 1 shallow

Cart Hill Energy, L.L.C.

Shelley 34 State # 3

API 30-025-36432

Lea County, New Mexico

C108 (Application for Authorization to Inject)

18
Numerous fresh water wells were identified within the 1 mile Area of review.
Fresh water is in the alluvial fill from the surface to the top of the Red Bed.

IX.

Acid stimulation will be based on initial injection rate after completion

X.

Logs and completion data filed by previous operators.

XI.

Please see Exhibit "E" for fresh water analysis

XII.

Available geological and engineering data have been examined and no evidence of open faults or hydrological connection between the disposal zone and any underground sources of drinking water has been found.

XIII.

Please see Exhibit "F" for Legal Notice and Proof of Notify

Billy E. Prichard Billy E. Prichard
Agent for Cart Hill Energy, L.L.C.

Date 9/29/14



SHELLEY 34 STATE #003			
30-025-36432			
B 34 19S 37E (990 FNL, 1700 FEL)			
Date	Date	Description	Summary
10/29/03	10/29/2003	Spud Well	Spud well @ 20:00
10/30/03	10/30/2003	Ran Csg	Ran 34 jnts of 8 5/8" (24ppf) in 12.25" hole. <u>Set @ 1435'</u> . Pump 640sk (1.345yld). Circ 80sk.
11/10/03	11/10/2003	Ran Csg	Ran 169 jnts of 5.5" 17# N-80 (<u>set @ 7240'</u>). Cmt w/ 1330 sks. 655 sks (1.69yld) first stage. Circ 160 sks to pit. Cmt w/ 675 sks (575 sks 2.728yld, and 100sk tail). Circ 10 sks to pit. DV tool closed okay. (C105 says 1490 sks)
11/17/03	11/17/2003 to 11/18/2003	Complete Drinkard	Perf Drinkard (<u>6998-7012</u>) w/ 4 SPF. Acidize w/ 6000 gal 15% HCl NEFE. Swab.
11/18/03	11/20/2003	Complete Drinkard	Set 5.5" <u>CIBP @ 6950'</u> . Cap w/ 10 sks cmt. Per Drinkard (<u>6700-6798</u>). Acidize w/ 3000 gal 15% HCl.
12/11/03	12/11/2003 to 12/18/2003	Complete Tubb	Set 5.5" <u>CIBP @ 6687' w/ 10' cmt cap</u> . Perf Tubb (<u>6622-6644, 4 SPF</u>). Acidize w/ 3000 gal 15% HCl NEFE acid. Swab. SI well pending evaluation.
1/1/04	1/1/04	Abandon Tubb	Dump 25' cmt on top of existing cmt @ <u>CIBP @ 6687</u> . Set 5.5" <u>CIBP @ 6595</u> . <u>Dump 35' cmt</u> on top of CIBP. Load w/ 20 bbl fresh water pkr fluid and test to 500 psi (see MIT in well file).
2/3/09	2/3/2009	TA	TA Expires 02/03/2014 (See MIT in well file)
12/24/13	12/24/13	TA Extension	TA Extended to 03/03/2014
2/6/14	02/6/2014 to 02/09/2014	P&A	Tagged PBTD @ 6535. Test 500# okay. Pump <u>25 sks (6535-6375)</u> and Circ w/ PXA MUD. Pump <u>25 sks (5525-5359)</u> . Pump <u>40 sks (4097-3939)</u> . Pump <u>25 sks (1490-1080)</u> , tagged). Mix X Circ to surf. <u>25 sks (250-3)</u> . Wellhead 3' B.G.L. Weld steel plate onto csgs.

EXHIBIT A

API	Well Name	Type
30-025-36432	SHELLEY 34 STATE #003	Oil

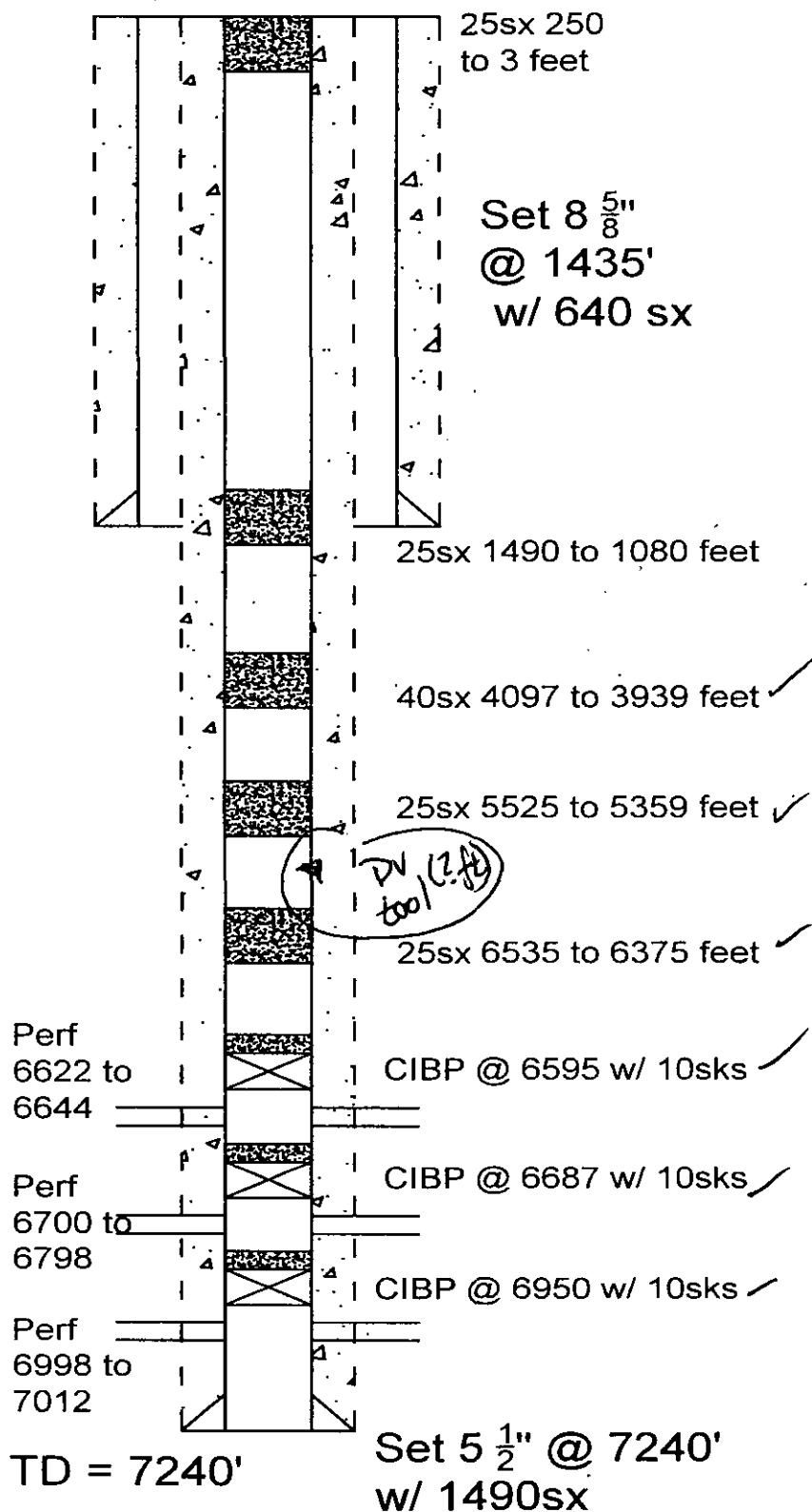
Location	Status	Lease
B 34 19S 37E (990 FNL, 1700 FEL)	Expired Temporary Abandonment	State

Current Operator	Depth (ft)	Spud Date
[162683] CIMAREX ENERGY CO. OF COLORADO	7240	10/29/03

Producing Formation	P&A
------------------------	-----

Rustler (T Salt)	1413
Tansill	2611
T Yates	2788
T 7 Rivers	3013
T Queen	3518
T Penrose	
T Grayburg	3835
T San Andres	4010
T Glorietta	5365
T Paddock	5475
T Blinebry	5810
T Tubb	6497
T Drinkard	6790
T Abo	7147

SHELLEY 34 STATE #003
Plugged and Abandoned



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	24	12 1/4	1435	640	Surf	Circ 80 sks
5 1/2	17	7 7/8	7240	1490	Surf	Circ 10 sks

EXHIBIT A

SHELLEY 34 STATE #003
Wellbore Configuration After SWD Completion

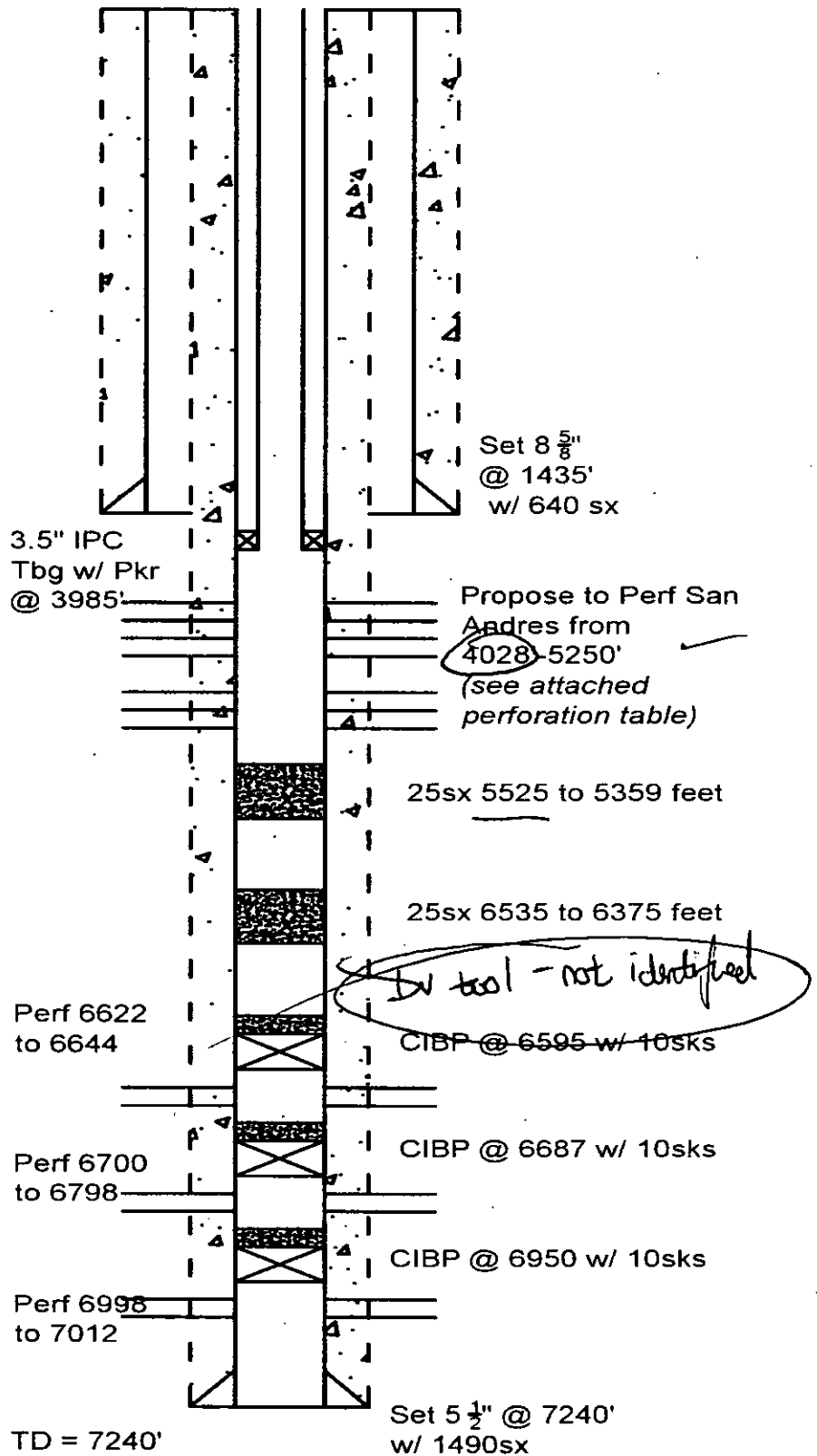
API	Well Name	Type
30-025-36432	SHELLEY 34 STATE #003	Oil

Location	Status	Lease
B 34 19S 37E (990 FNL, 1700 FEL)	Expired Temporary Abandonment	State

Current Operator	Depth (ft)	Spud Date
[162683] CIMAREX ENERGY CO. OF COLORADO	7240	10/29/03

Producing Formation	San Andres (SWD)
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Rustler (T Salt)	1413
Tansill	2611
T Yates	2788
T 7 Rivers	3013
T Queen	3518
T Penrose	
T Grayburg	3835
T San Andres	4010
T Glorietta	5365
T Paddock	5475
T Blinbry	5810
T Tubb	6497
T Drinkard	6790
T Abo	7147



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	24	12 1/4	1435	640	Surf	Circ 80 sks
5 1/2	17	7 7/8	7240	1490	Surf	Circ 10 sks

EXHIBIT A

Perforated Interval		Number of Shot	Sum Perfs
4028	4044	34	34
4053	4072	40	74
4080	4096	34	108
4100	4110	22	130
4120	4132	26	156
4152	4182	62	218
4188	4218	62	280
4222	4240	38	318
4244	4252	18	336
4258	4262	10	346
4264	4274	22	368
4280	4310	62	430
4314	4374	122	552
4382	4384	6	558
4390	4432	86	644
4442	4464	46	690
4472	4550	158	848
4564	4571	16	864
4604	4628	50	914
4631	4632	4	918
4671	4672	4	922
4696	4701	12	934
4730	4731	4	938
4769	4770	4	942
4805	4806	4	946
4814	4821	16	962
4832	4836	10	972
4911	4912	4	976
4926	4928	6	982
4964	4968	10	992
5000	5018	38	1030
5028	5032	10	1040
5440	5444	10	1050
5058	5092	70	1120
5110	5115	12	1132
5138	5148	22	1154
5156	5176	42	1196
5190	5204	30	1226
5208	5218	22	1248
5232	5233	4	1252
5250	5256	14	1266

EXHIBIT A

30-025-36432

Legend

- ⊙ API: 30-025-xxxx
- ▬ Area of Review
- Monument

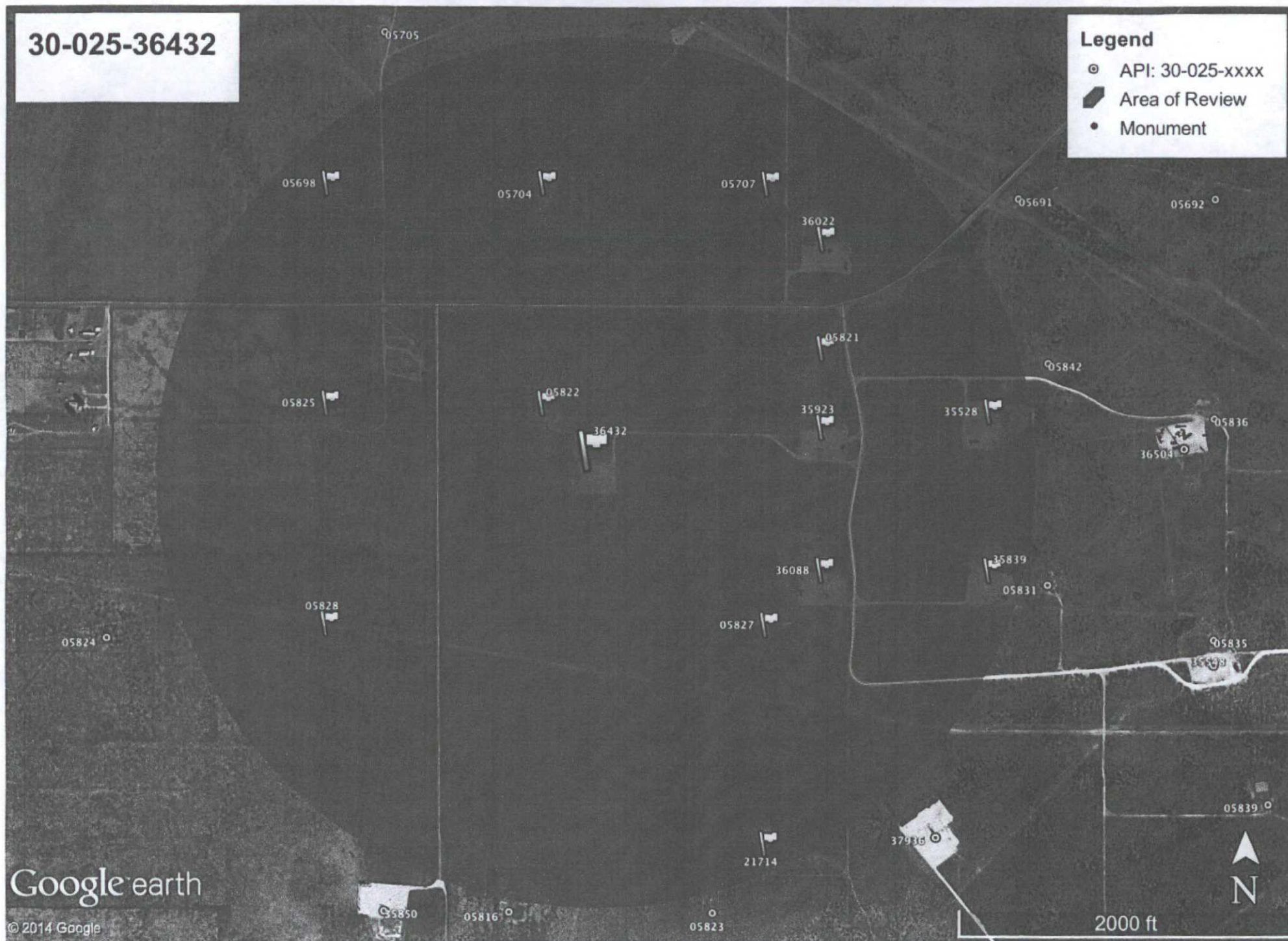


EXHIBIT B

30-025-36432

Legend

- 2 Mile Radius
- API: 30-025-xxxx
- Area of Review
- Monument

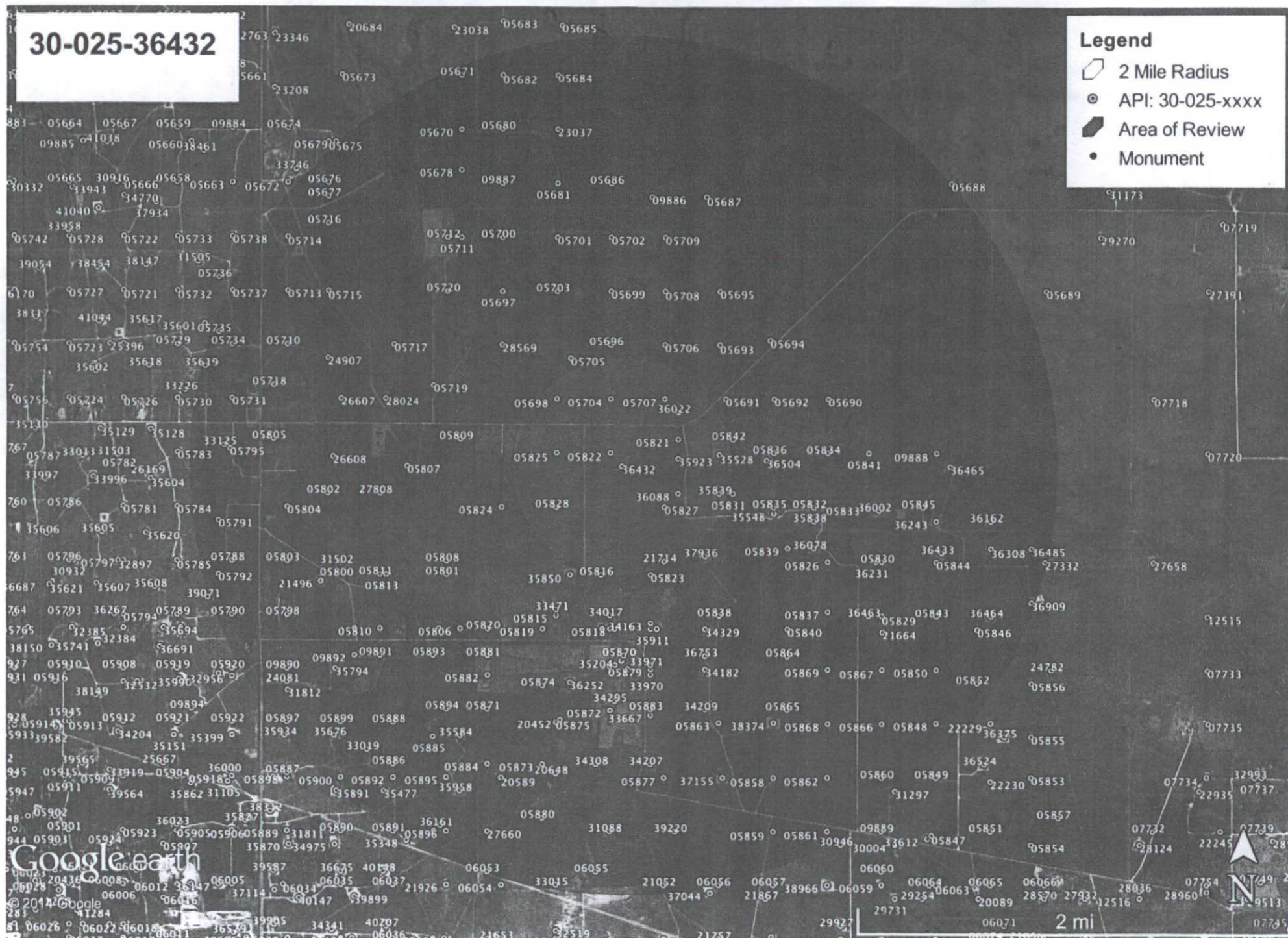


EXHIBIT B

Cart Hill Energy, L.L.C.
Shelley 34 State # 3
API # 30-025-36432
AOR Wells

Wells in 0.5 mile AOR

	Well API #	TD
1	3002505698	3900
2	3002505704	3909
3	3002505707	3860
4	3002536022	7140
5	3002505821	4002
6	3002535528	7906
7	3002535923	7190
8	3002505822	3899
9	3002505825	3900
10	3002505828	3900
11	3002535839	7149
12	3002536088	7200
13	3002505827	3919
14	3002521714	8000

For 4200' top of interval

① ✓ TOC 11661/calc. - TA / Tubb

② ✓ Active / Drinkard

③ ✓ TOC 1747/calc. - Active / Tubb

(TOC @ 3270' for 5 1/2)
OBL

④ ✓ - Active / Tubb + Drinkard

⑤ ✓ - Active / Tubb

⑥ ✓ - P&A / perfs below bottom of interval.
ent/both casings + liner

14 wells in area of review

6 wells penetrate the proposed disposal zone

Exhibit "C"



www.pwllc.net

API	Well Name	Type
30-025-05704	EAST EUMONT UNIT #078	Injection

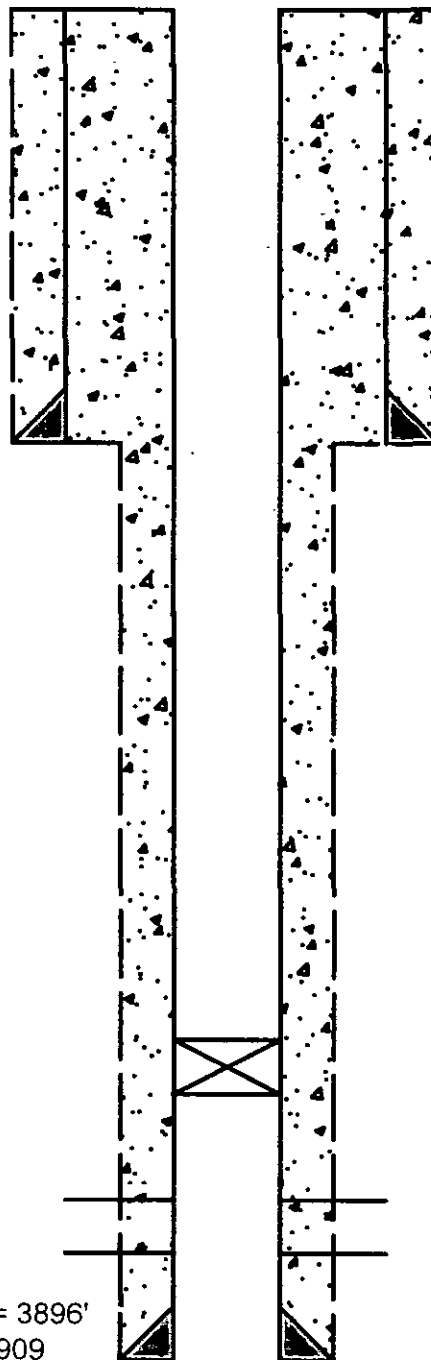
Location	Status	Lease
O 27 19S 37E (660 FSL, 1980 FEL)	Approved Temporary Abandonment	State

Current Operator	Depth (ft)	Spud Date
[192463] OXY USA WTP LIMITED PARTNERSHIP	3909	Oct-56

Completed Formation	Grayburg
------------------------	----------

T Anhy	1437
T Salt	1540
B Salt	2620
T Yates	2772
T 7 Rivers	2887
T Queen	3590
T Penrose	
T Grayburg	3865
T San Andres	
T Glorietta	
T Paddock	
T Blinebry	
T Tubb	
T Drinkard	
T Abo	
T Wolcamp	
T Pen	

PBTD = 3896'
TD = 3909



8 ⁵/₈" (11") @
313'. TOC @
Surf - Circ

CIBP @ 3666'

Perfs 3716'-3866'

5.5" (7 ⁷/₈") @ 3899'
TOC @ Surface (Calc)

Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	28	?	313	175	Surf	Circ
5 1/2	14	?	3899	980	Surf	Calc

EXHIBIT C

EAST EUMONT UNIT #078

30-025-05704

O 27 19S 37E (660 FSL, 1980 FEL)

[illegible]

EXHIBIT C

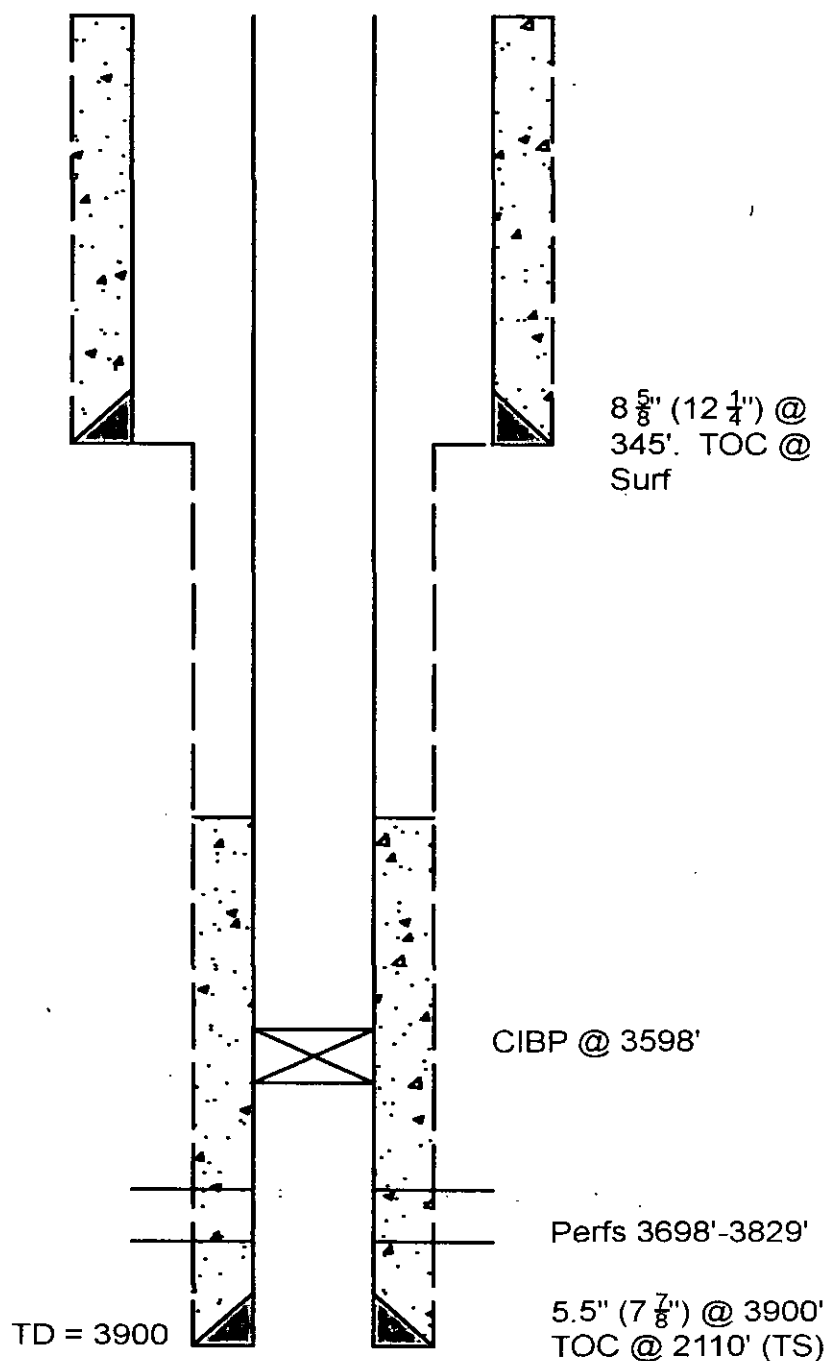
API	Well Name	Type
30-025-05698	EAST EUMONT UNIT #077	Oil

Location	Status	Lease
N 27 19S 37E (660 FSL, 1980 FWL)	Approved Temporary Abandonment	State

Current Operator	Depth (ft)	Spud Date
[192463] OXY USA WTP LIMITED PARTNERSHIP	3900	5/13/57

Completed Formation	Penrose
------------------------	---------

T Anhy	1398
T Salt	1517
B Salt	2590
T Yates	2790
T 7 Rivers	2974
T Queen	3560
T Penrose	
T Grayburg	3682
T San Andres	
T Gb rietta	
T Paddock	
T Blinebry	
T Tubb	
T Drinkard	
T Abo	
T Wolcam p	
T Pen	
T Cisco	
T Canyon	



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	24	12.5	345	275	Surface	Circ
5 1/2	14	7 7/8	3900	650	2110'	Temperature Survey

EXHIBIT C

EAST EUMONT UNIT #077		
30-025-05698		
N 27 19S 37E (660 FSL, 1980 FWL)		
Date	Description	Summary
5/27/57	Perforate	Perforated 3790-3829. Acidized w/ 500 gal mud acid and 1000 gal 15% acid. Fractured w/ 17,000 gal oil and 13,000# of sand.
4/11/60	Acidize	Perforate 3698-3720 feet and 3740-3762 w/ 4 JSPF (Penrose). Reperforated 3792-3798 w/ 2 JSPF. Acidized al perfs w/ 1500gal DS-50. Frac al perfs w/ 35,280 gal refined oil and lease crude w/ 26,860# sand.
4/4/66	Shut In	Wel shut in pending water fbo d.
1/11/72	Pul Report	Ran tbg and rods. Put wel on operation.
7/14/92	CIBP	POOH w/ production equip. Set 5.5" CIBP on WL @ 3598'.
11/20/92	1398	Loaded and tested casing to 580#.
8/24/98	1517	Wel on TA status. Expires 08/31/2003
2/25/03	2590	Wel on TA status. Expires 03/04/2008.
2/29/08	2790	Wel on TA status. Expires 04/25/2008
2/6/13	2974	Wel on TA status. Expires 02/06/2014
1/21/14	3560	Wel on TA status. Expires 01/21/2015.
	3682	

EXHIBIT C

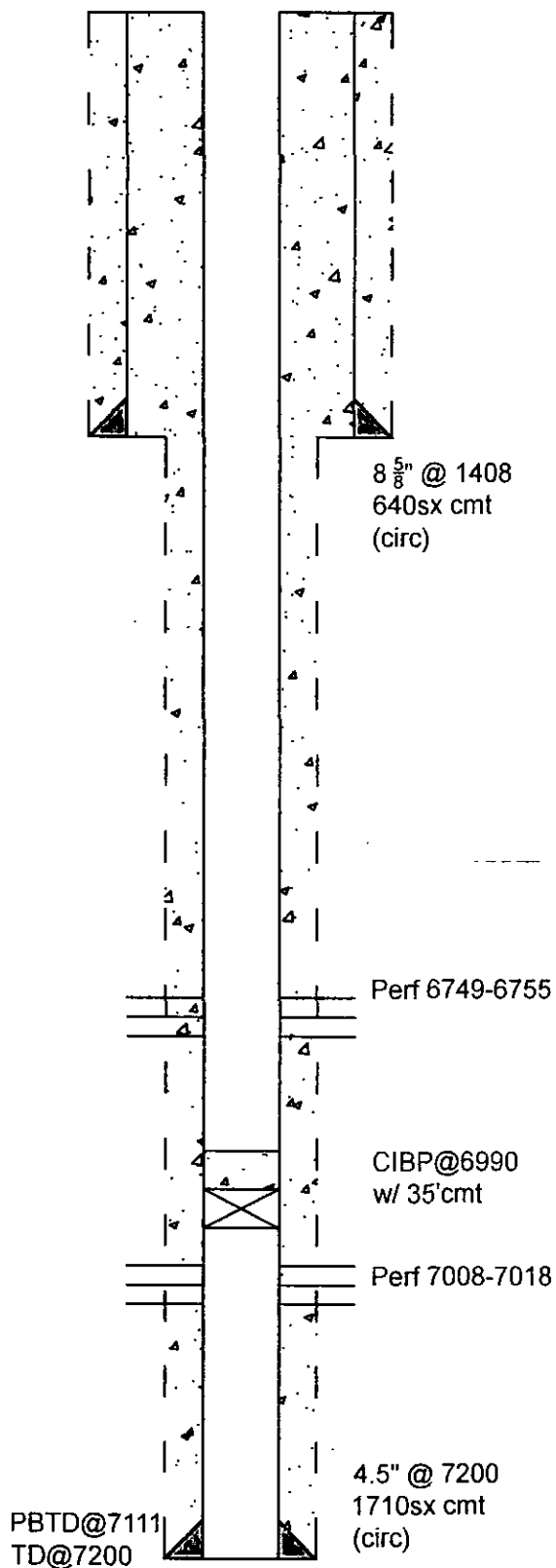
API	Well Name	Type
30-025-36088	SHELLEY 34 STATE #002	Oil

Location	Status	Lease
H 34 19S 37E (1650 FNL, 330 FEL)	Active	State

Current Operator	Depth (ft)	Spud Date
[162683] CIMAREX ENERGY CO. OF COLORADO	7200	1/24/03

Producing Formation	[47090] MONUMENT;TUBB
---------------------	--------------------------

T Anhy	
T Salt	1402
B Salt	
T Yates	2736
T 7 Rivers	2967
T Queen	3754
T Penrose	
T Grayburg	3917
T San Andres	
T Glorietta	5312
T Paddock	5408
T Blinbry	5780
T Tubb	6433
T Drinkard	6830
T Abo	



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8.625	24	12.25	1408	640	Surf	Circ
4.5	11.6	7.785	7200	1710	Surf	Circ

EXHIBIT C

SHELLEY 34 STATE #002		
30-025-36088		
H 34 19S 37E (1650 FNL, 330 FEL)		
Date	Description	Summary
2/13/03	PBTD	PBTD @ 7111.
2/13/03	Perforate	Perforate 7008-7018. Swab.
2/17/03	CIBP	Set CIBP @ 6990. Cap w/ 35' cmt.
2/18/03	Perforate	Perforate 6749-6755.
2/19/03	Frac	Frac 6749-6755 w/ Slickwater and 167674# 20/40 Jordan Sand and 21744# 20/40 Ac Frac.
7/18/03	C105 Record	Perforations (6749-6755). CIBP @ 6990 w/ 35' cmt. Abandoned Perforations (7008-7018).

EXHIBIT C

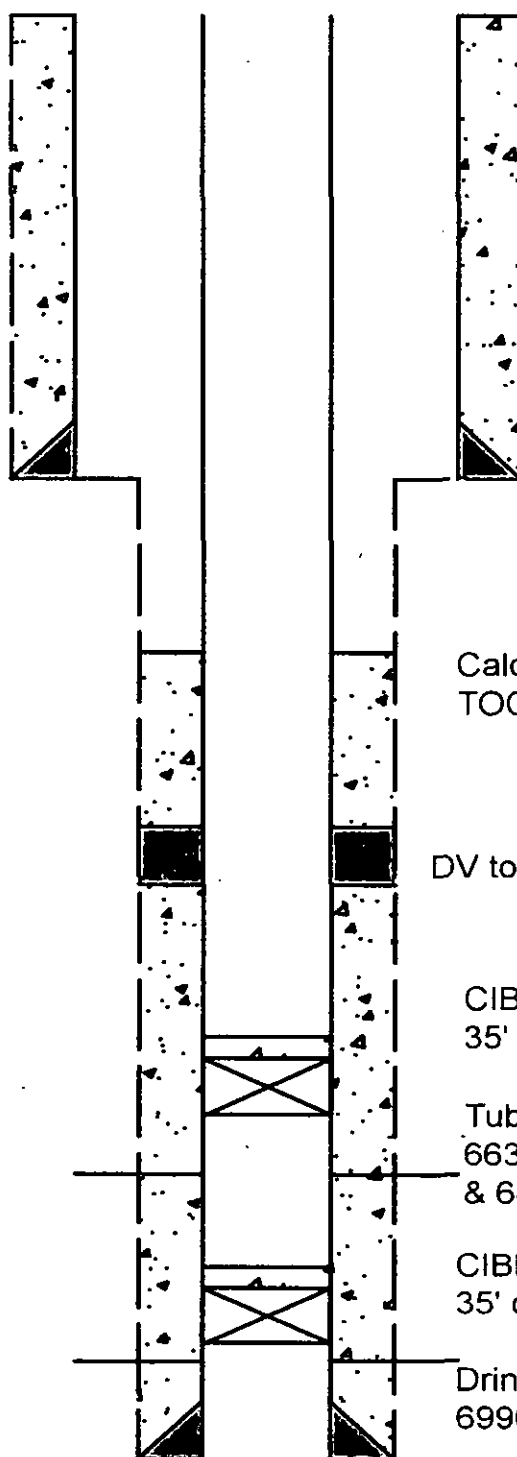
API	Well Name	Type
30-025-36022	SHELLEY 27 STATE #001	Oil

Location	Status	Lease
P 27 19S 37E (330 FSL, 330 FEL)	Approved Temporary Abandonment	State

Current Operator	Depth (ft)	Spud Date
[162683] CIMAREX ENERGY CO. OF COLORADO	7140	10/19/02

Completed Formation	Tubb
------------------------	------

T Anhy	
T Salt	1438
B Salt	
T Yates	2762
T 7 Rivers	2985
T Queen	3704
T Penrose	
T Grayburg	3953
T San Andres	
T Glorietta	5342
T Paddock	5447
T Blinebry	5805
T Tubb	6459
T Drinkard	6850
T Abo	
T Wolcamp	



8.625" @ 965
w/ 600sx (circ)

Calculated
TOC @ 1661'

DV tool @ 3821'

CIBP @ 6600' w/
35' cmt.

Tubb Perf'd
6631-6639 ft.
& 6803-6847 ft.

CIBP @ 6950' w/
35' cmt.

Drinkard Perf'd
6990-7009 ft.

4.5" @ 7140' w/
1350 sks cmt.
TD = 7140 feet

Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	24	12 1/4	965	600	Surface	Circ
4 1/2	11.6	7 7/8	7140	1350	1661'	Calc

EXHIBIT C

30-025-36022		
SHELLEY 27 STATE #001		
P 27 19S 37E (330 FSL, 330 FEL)		
Date	Description	Summary:
11/1/02	Complete well	DO DV tool, and soft cmt. Perforate Drinkard 6990-7009. Pumped acid.
11/8/02	Perforate	Perforate Drinkard from 6990-7009.
11/18/02	Plug Back	CIBP @ 6950'. Dump 35' cmt.
11/19/02	Perforate	Perforate Tubb from 6803-08, 6812-15, 6822-27, 6837-41, 6844-47. Pumped acid.
11/26/02	Acidize	Acidized formation with 5000 gal 15 NEFE. Swabbed well and put well on test.
12/9/02	Perforate	Perforate Tubb from 6631-6639 feet.
10/17/12	TA	Clean out hole to 6700'. Set 4.5" CIBP @ 6600'. Spot 35' cmt. PBTD @ 6565'. Pressure to 620 psi for 30 min. MIT Okay. TA expires 07/01/2017.

EXHIBIT C

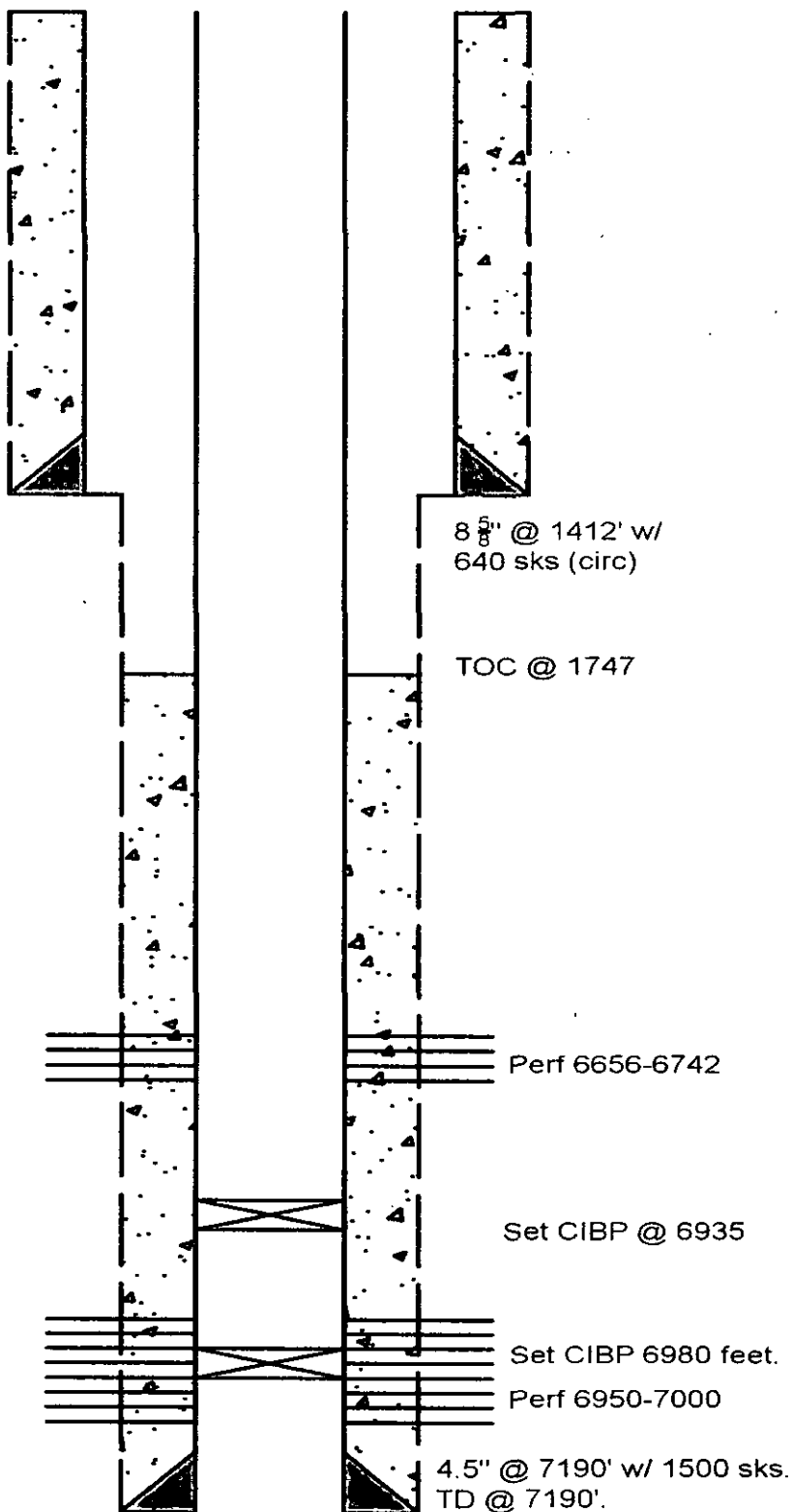
API	Well Name	Type
30-025-35923	SHELLEY 34 STATE #001	Oil

Location	Status	Lease
A 34 19S 37E (800 FNL, 330 FEL)	Active	State

Current Operator	Depth (ft)	Spud Date
[162683] CIMAREX ENERGY CO. OF COLORADO	7190	6/16/02

Completed Formation	Tubb
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T Anhy	
T Salt	1426
B Salt	
T Yates	2755
T 7 Rivers	2982
T Queen	3696
T Penrose	
T Grayburg	3940
T San Andres	
T Glorietta	5316
T Paddock	5421
T Blinebry	5785
T Tubb	6430
T Drinkard	6802
T Abo	



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	24	12 1/4	1412	640	Surface	Circ
4 1/2	11.6	7 7/8	7190	1500	1747	Calc, Circ 166sks on first stage

EXHIBIT C

SHELLEY 34 STATE #001		
30-025-35923		
A 34 19S 37E (800 FNL, 330 FEL)		
Date	Description	Summary
6/16/02	Spud	Spud well.
6/17/02	Csg	Set 8 5/8" @ 1412' w/ 640sk. Circ 115sk. @ unknown date, TD hole @ 7190'. Set 4.5" csg 7190'. DV tool @ 3847. Cmt 1st. Stage w/ 750 sks. Circ 166 sks to pit. Cmt 2nd. Stage w/ 750 sks. Calc TOC @ 1747 feet.
7/2/02	Clean Hole	DO DV tool and CMT. PBTB @ 7138'.
7/3/02	Perforate	Perforated 6950-7000 feet.
7/4/02	Acidize	Acidize formation w/ 4100 gals 15% HCL.
7/11/02	CIBP	Set CIBP @ 6980'.
7/22/02	CIBP	Set CIBP @ 6935'.
7/23/02	Perforate	Perforate Tubb @ 6656-60, 6694-98, and 6738-42.
7/25/02	Frac	Acid frac w/ 57,000 gal fluid.

EXHIBIT C

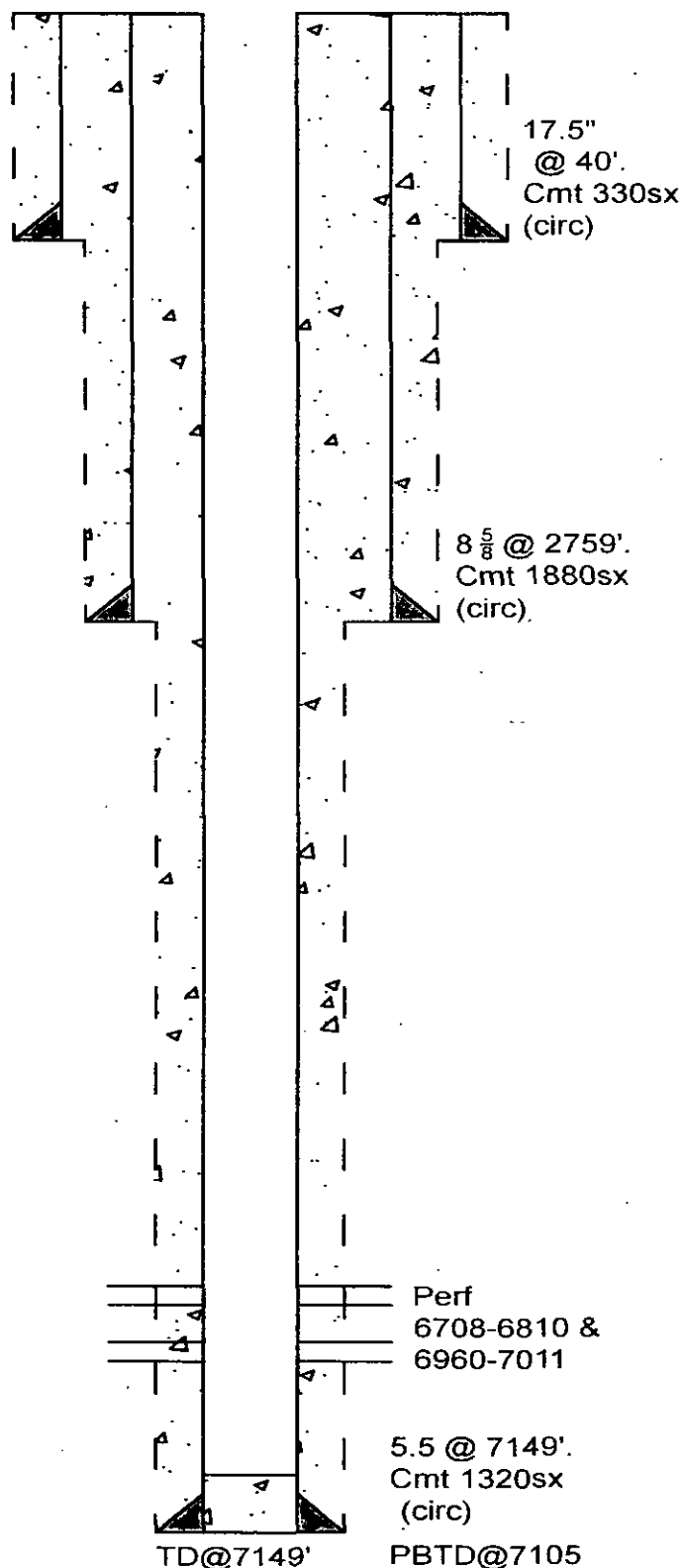
API	Well Name	Type
30-025-35839	JAWHAWK 35 STATE #002	Oil

Location	Status	Lease
E 35 19S 37E (1650 FNL, 660 FWL)	Active	State

Current Operator	Depth (ft)	Spud Date
[217817] CONOCOPHIL LIPS COMPANY	7149	3/1/02

Producing Formation	[96768] SKAGGS;DRINKARD, NORTHWEST
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T Anhy	
T Salt	
B Salt	
T Yates	
T 7 Rivers	
T Queen	
T Penrose	
T Grayburg	
T San Andres	
T Glorietta	
T Paddock	
T Blinbry	
T Tubb	6430
T Drinkard	6704
T Abo	
T Wolcamp	
T Pen	
T Cisco	
T Canyon	
T Strawn	



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
11.75	42#	14.75	459	330sx	Surface	Circ
8.625	32#	11	2759	1880sx	Surface	Circ
5.5	17#	7.875	7149	1320sx	Surface	Circ

EXHIBIT C

JAWHAWK 35 STATE #002		
30-025-35839		
E 35 19S 37E (1650 FNL, 660 FWL)		
Date	Description	Summary
3/2/02	Conductor	Set 17.5" conductor @ 40'. Cmt w/ 330sx. Circ 83 to pit.
3/2/02	Casing	Ran 61 jnts of 8 5/8" 32# J55. Set @ 2747. Cmt w/ 1880sk. Circ 285sx to pit.
3/2/02	Casing	Ran 5.5 17# K-55 8 RD LTC. Set @ 7149. Cmt w/ 1320sx. Circ 66sx.
4/8/02	Tag Wiper Plug	Tag Wiper Plug @ 7105.
4/8/02	Perforate	Perforate 6974-80.
5/16/02	Perforate	Perforate 7006-7011, 7000-03, 6990-94, 6960-70. (6960-7011)
6/10/02	C105 Record	Perforation record (6960-7011)
2/3/03	CIBP	Set CIBP @ 6950 (DO CIBP on 2/10/2003)
2/4/03	Perforate	Perforate 6792-94, 6806-10, 6760-63, 6770-74, 6730-38, 6708-11, 6715-19 (6708 to 6810). Pay was added.
2/10/03	DO CIBP	DO CIBP @ 6950 after acidizing well.

EXHIBIT C

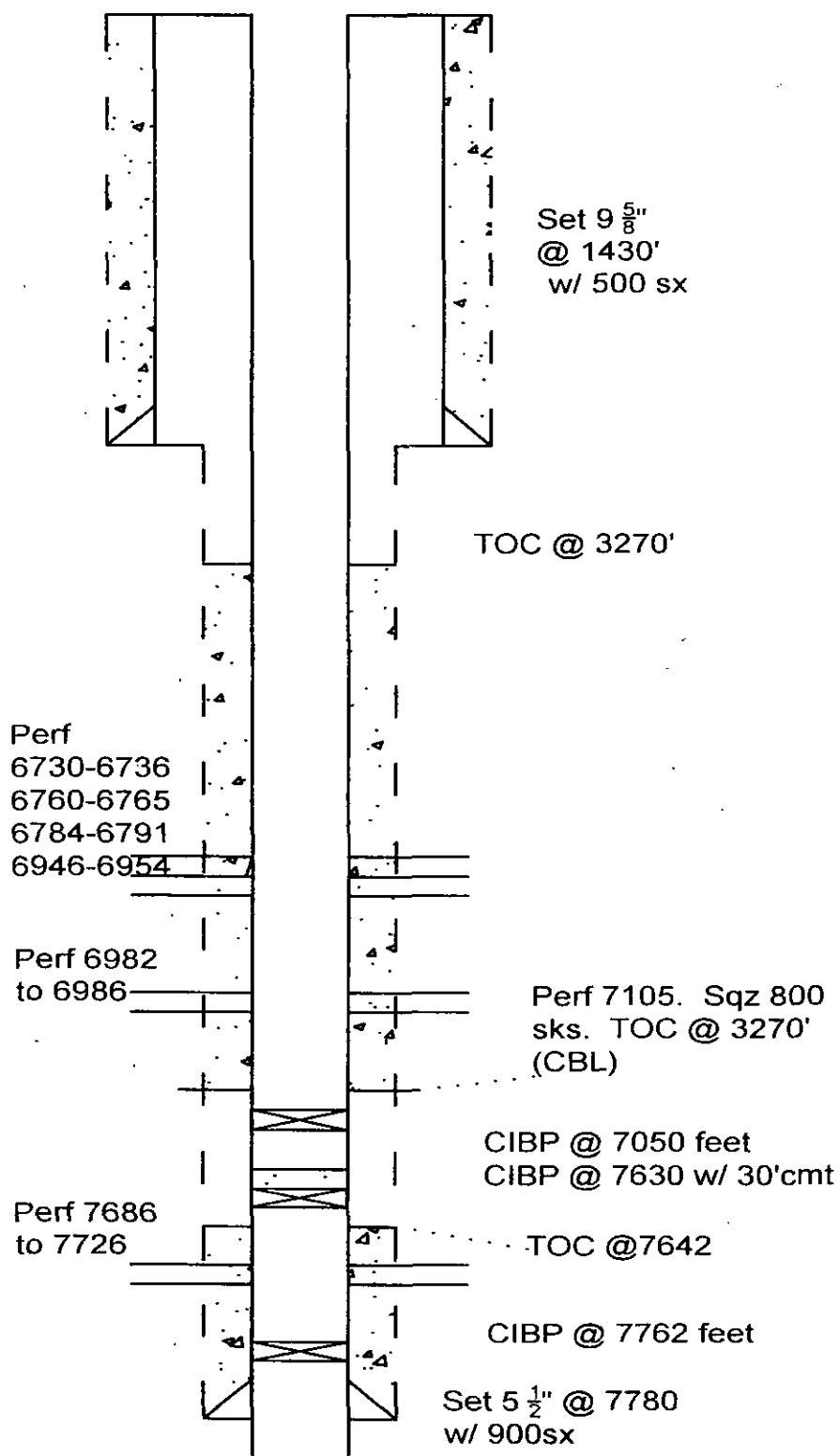
API	Well Name	Type
30-025-35528	SHELLEY 35 STATE #001	Oil

Location	Status	Lease
D 35 19S 37E (705 FNL, 660 FWL)	Active	State

Current Operator	Depth (ft)	Spud Date
[162683] CIMAREX ENERGY CO. OF COLORADO	7906	8/8/01

Producing Formation	[96768] SKAGGS;DRINKARD, NORTHWEST
------------------------	--

T Anhy	
T Salt	1437
B Salt	
T Yates	2793
T 7 Rivers	2987
T Queen	3760
T Penrose	
T Grayburg	3925
T San Andres	
T Glorietta	5322
T Paddock	5425
T Blinebry	5792
T Tubb	6430
T Drinkard	6629
T Abo	7067
T Wolcamp	
T Pen	7790
T Strawn	7826



TD = 7906' OH from 7780 to 7906

Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
9 5/8	36	12 1/4	1430	500 Class C	Surf	Circ 109 sks
5 1/2	17	8 3/4	7783	1700 Class C	3270	CBL

EXHIBIT C

SHELLEY 35 STATE #001		
30-025-35528		
D 35 19S 37E (705 FNL, 660 FWL)		
Date	Description	Summary
8/8/01	Spud	Spud 12-1/4" hole. Ran 32 jnts of 9-5/8" 36# J55 STC csg. Set @ 1430'. Cmt w/ 330sx Class C (1.9yld) + 200sx Class C (1.34yld). Circ 109 sks to pit.
9/14/01	Csg	Drill 8 3/4" hole to 7906'. Ran 184 jnt of 5.5" 17# L80 csg. Set @ 7780' w/ upper DV tool @ 4771. Cmt first stage w/ 900 sks. TOC @ 7642'. Perf csg @ 7105'. Pump 800sks. TOC 3270' (CBL)
12/11/01	CIBP	Set CIBP @ 7050' (Howco EZ-Drill)
12/11/01	CIBP	Set CIBP @ 7630. Cap w/ 30' Class H cmt.
12/11/01	Perforate	Perforate 6982-86, 3SPF (12 holes). Swab.
2/1/02	Perforate	Perforate 6946-54 at 4SPF.
C-105, 02/18/2002	Perforate	Perforate 6946-6954, 4 SPF (32 holes)
C-105, 02/18/2003	Perforate	Perforate 6982-6986, 3 SPF (12 holes)
C-105, 02/18/2004	Perforate	Perforate 7686-7726, 4 SPF (160 holes)
C-105, 02/18/2005	CIBP	CIBP @ 7050 and 7630? (Report says 7762)
10/11/01	CIBP	CIBP @ 7762
10/29/01	Perforate Abo	Perforate 7686-7726, 4JSP (160 holes). Acidize Abo. (See C-105 note below). Well started flowing.
5/6/03	Perforate	Perforate 6730-6736, 6760-6765, and 6784-6791 @ 4 SPF.

EXHIBIT C

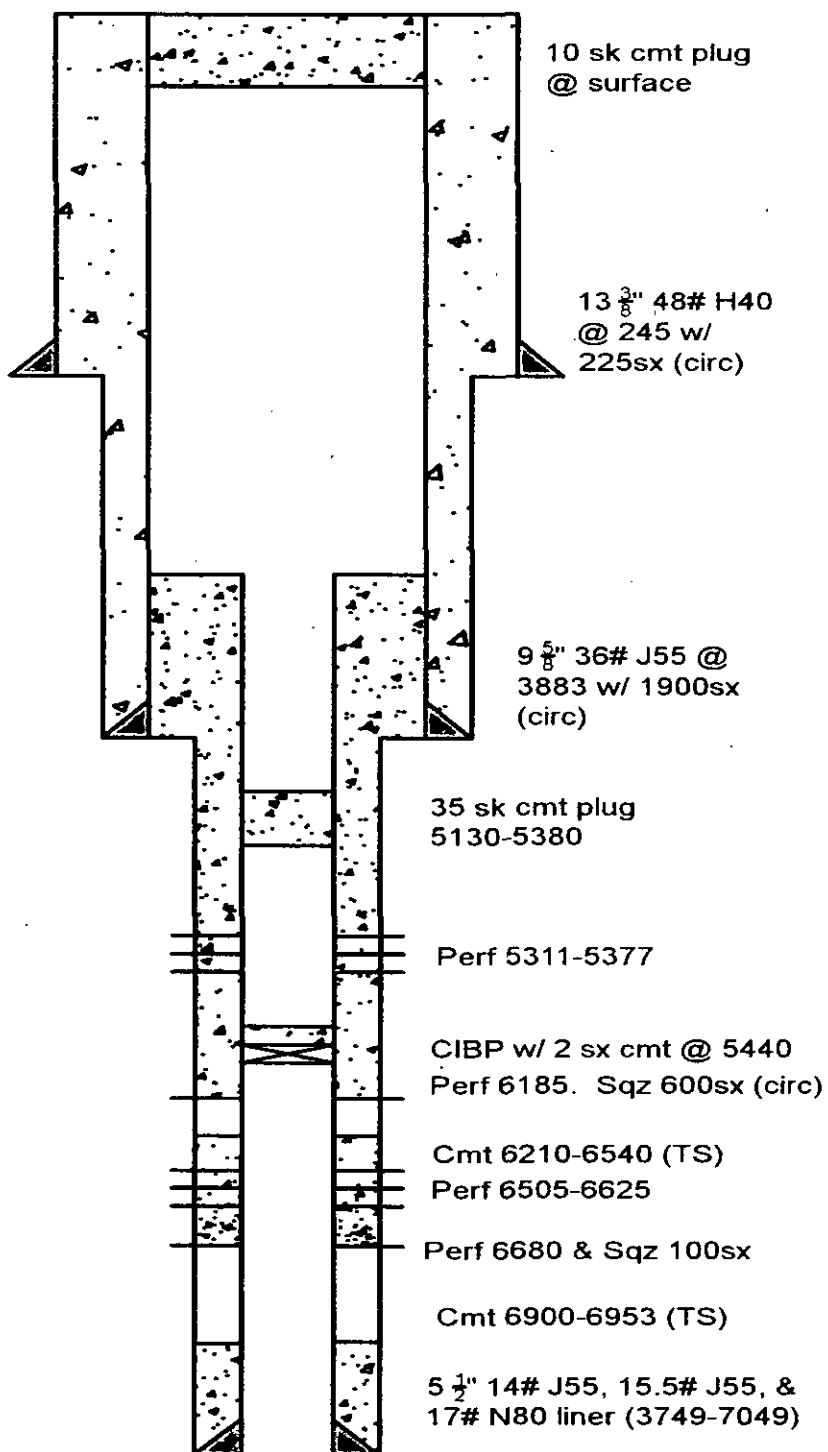
API	Well Name	Type
30-025-21714	PRE- ONGARD WELL #001	Oil

Location	Status	Lease
I 34 19S 37E (1980 FSL, 660 FEL)	Plugged, Site Released	State

Current Operator	Depth (ft)	Spud Date
[214263] PRE- ONGARD WELL OPERATOR	8000	12/31/65

Producing Formation	Well P&A

T Anhy	
T Salt	
B Salt	
T Yates	2695
T 7 Rivers	
T Queen	
T Penrose	
T San Andres	4094
T Glorietta	5304
T Paddock	
T Blinebry	5885
T Tubb	6687
T Drinkard	6790
T Abo	7084
Strawn	7950



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
13.375	48	17.5	245	225	Surf	Circ
9.625	36	12.25	3883	1900	Surf	Circ
5.5 Liner	-	8.75	3749-7049	885	3749	Circ

EXHIBIT C

PRE-ONGARD WELL #001		
30-025-21714		
I 34 19S 37E (1980 FSL, 660 FEL)		
Date	Description	Summary
12/31/65	Spud	Spud @ 5:00 AM on 12/31/1965.
1/1/66	Csg	Ran 13 3/8" 48# H40 csg. Set @ 245 w/ 225sks cmt. Cmt circ.
1/13/66	Csg	Ran 9 5/8" 36# J55 csg. Set @ 3883 w/ 1900sks cmt. Cmt circ.
2/12/66	Perforate, Liner	Ran 5.5" OD 14# J55, 15.5# J55, and 17# N80 liner (3749-7049). Cmt w/ 850 sks. TS indicates cmt 6210-6540 and 6900-6953. Perforated 2, 1/2" hole @ 6680'.
2/13/66	Perforate	Cmt Retainer @ 6650'. Could note break down perf. <u>Jet perforated @ 6185</u> . Set Cmt Retainer @ 6120. (CIRtnrs DO on 02/16/1966)
2/14/66	Cmt Liner	Cmt 5.5" liner (3749-6185) through perf @ 6185 w/ 600sks (13.6# slurry). Cmt circ out top of liner.
2/15/66	Drill Cmt	Drill stringers of cmt 3124-3632. Firm cmt 3632-3749 (top of liner @ 3749). Pressure tested csg and top of liner to 1750# for 30 minutes. Tested okay. Drilled cmt 6130-6187 and tested perfs @ 6185 w/ 1750#. Tested okay.
2/16/66	DO / Acidize	Drill Cmt Retainer @ 6650. Acidize.
2/17/66	Perfs (sqz)	Set Cmt Retainer @ 6640. Sqz perfs in 5.5" liner @ 6680' w/ 100sks. Test perfs @ 6680' w/ 1000# for 30 min. Tested okay.
2/20/66	Perforate	<u>Perforate</u> 6505-20, 24, 27, 49, 58, 66, 77, 92, 97, 6607, 11, 13, 21, 25 w/ 30 3/8" holes. (6505-6625). Acidized perforations. Sand frac perforations.
2/22/66	Sand Frac	Sand Oil Frac Tubb perf w/ 20,000 gal refined oil @ 1ppg sand and 500# Adomite. Use 28 ball sealers as diversion. Flow back for 20 hours and then well died.
3/7/69	CIBP	Set CIBP w/ 2 sks cmt. PBTD @ 5440'.
3/8/69	Perforate	<u>Perforate</u> 5311-12, 32, 34, 35, 43, 45, 59, 61, 63, 65, 67, 73, 75, 77 w/ 15-3/8" holes (5311-5377). Acidized perforations.
3/18/70	P&A	Spot 35 sack cmt plug in 5.5" liner from 5130' to 5380'. Loaded hole w/ 9ppg gel mud. Placed 10 sack cement plug on top of well. Installed dry hole marker. Well is plugged and abandoned.

EXHIBIT C

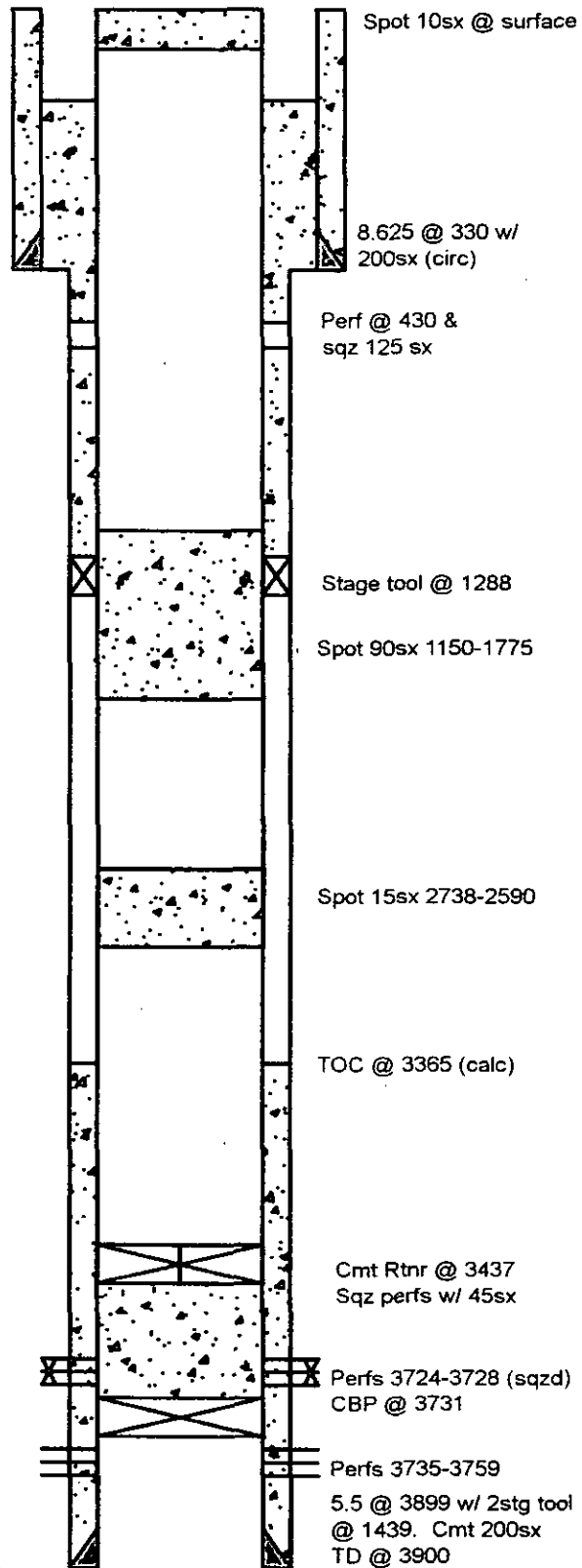
API	Well Name	Type
30-025-05828	PRE- ONGARD WELL #005	Gas

Location	Status	Lease
F 34 19S 37E (1980 FNL, 1980 FWL)	Plugged, Site Released	Private

Current Operator	Depth (ft)	Spud Date
[214263] PRE- ONGARD WELL OPERATOR	3900	11/4/57

Producing Formation	P&A
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T Anhy	1241
T Salt	1672
B Salt	
T Yates	2684
T 7 Rivers	
T Queen	3493
T Penrose	
T Grayburg	
T San Andres	
T Glorietta	
T Paddock	
T Blinbry	
T Tubb	
T Drinkard	
T Abo	



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8.625	24	12.25	330	200	Surface	Circ
5.5	14	7.875	3899	200	754	Calc

EXHIBIT C

PRE-ONGARD WELL #005		
30-025-05828		
F 34 19S 37E (1980 FNL, 1980 FWL)		
Date	Description	Summary
11/4/57	Spud, Casing	Spud 12.25" hole. Set 8.625 csg @ 330 w/ 200sx reg. cmt. Cmt circ.
11/21/57	Casing	TD @ 3900. Set 5.5 14# J55 @ 3899 w/ 100sx on bottom (TOC @ 3365, Calc) and 100sx through stage tool @ 1288 (TOC @ 754, Calc).
11/25/57	Perforate	Perf 5.5" csg from 3735-3744 & 3750-3759 w/ 72 jet shots. Acidize w/ 1000 gal mud acid. Sand frac w/ 20,000 gal oil and 20,000#@ sand.
12/8/57	Perforate	Set CIBP @ 3731. Perf 5.5 @ 3724-3728 w/ 16 jet holes. Acidize w/ 250 gal mud acid. Sand frac w/ 4000 gal oil and 4000# sand.
10/16/77	P&A	Cmt retr @ 3437'. Fill hole w/ heavy gel mud. Squeezed Queen gas perms (3724-28) w/ 45sx Class C cmt. Spot 15sx cmt from 2738-2590. Spot 90sx @ 1775-1150. Perf 5.5 @ 430 and sqz 125sx Class A cmt. Spot 10sx cmt @ surface. Install dry hole marker.

EXHIBIT C

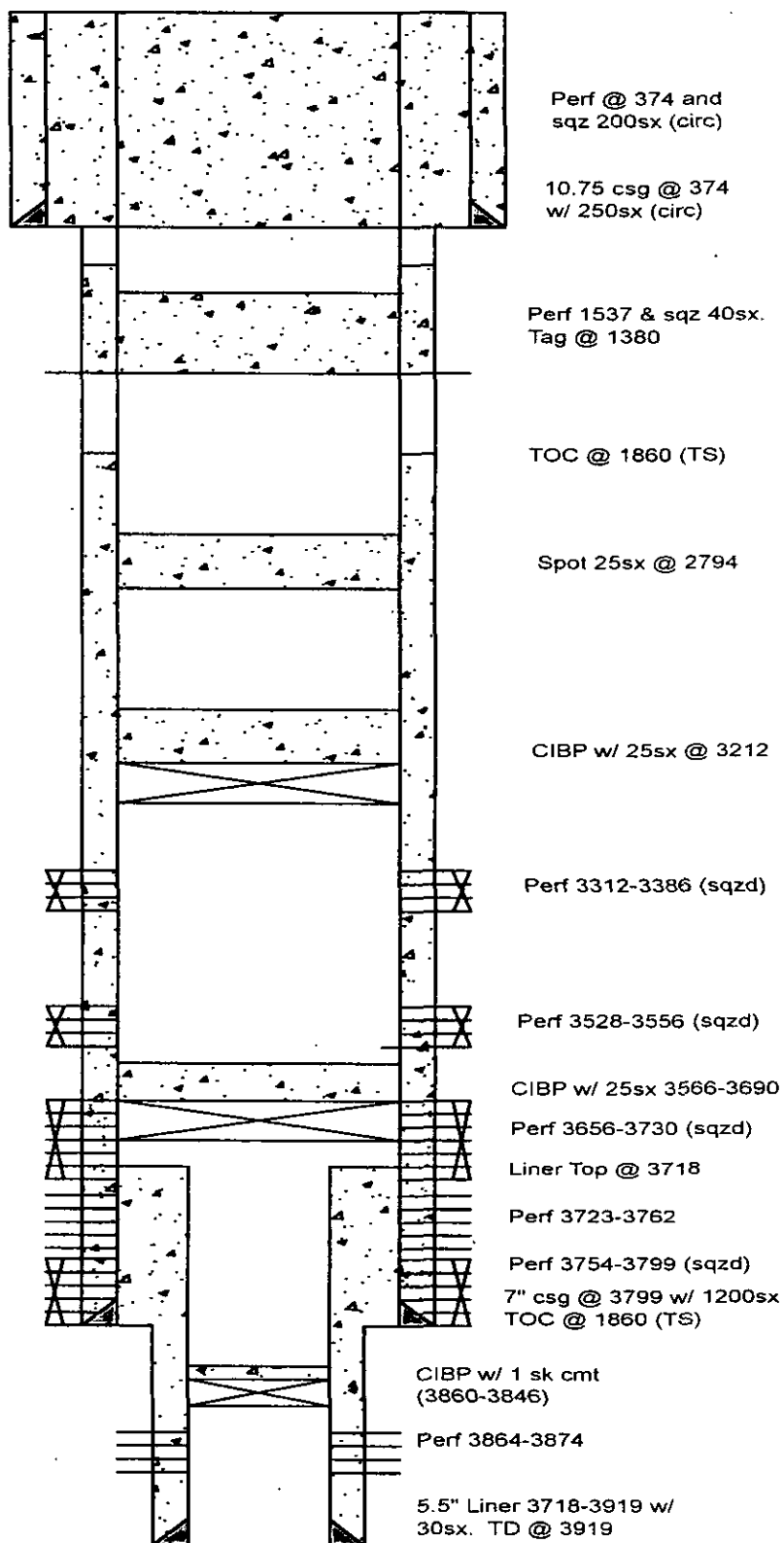
API	Well Name	Type
30-025-05827	EAST EUMONT UNIT #090	Oil

Location	Status	Lease
H 34 19S 37E (1980 FNL, 660 FEL)	Plugged, Site Released	State

Current Operator	Depth (ft)	Spud Date
[16696] OXY USA INC	3919	3/4/55

Producing Formation	P&A
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T Anhy	1375
T Salt	1487
B Salt	
T Yates	2715
T 7 Rivers	2977
T Queen	3530
T Penrose	3655
T Grayburg	
T San Andres	
T Glorietta	
T Paddock	
T Blinebry	
T Tubb	
T Drinkard	
T Abo	
T Wolcamp	
T Pen	
T Cisco	
T Canyon	
T Strawn	



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
10.75	32.75	12.5	324	250	Surf	Circ
7	20	8.75	3799	1200	1860	TS
5.5 (liner)	15.5	6.75	3718-3919	30	3718	Circ

EXHIBIT C

EAST EUMONT UNIT #090		
30-025-05827		
H 34 19S 37E (1980 FNL, 660 FEL)		
Date	Description	Summary
3/4/55	Spud	Spud well on 3-4-1955 @ 2:00 AM.
3/4/55	Casing	Set 10.75" casing @ 324 and cmt w/ 250 sx of cmt. Cmt Circ.
3/20/55	Casing/Perf	TD @ 3800. Set 7" csg @ 3799 and cmt w/ 1200 sx. TOC @ 1860 (TS). DO cmt to 3797 (PBTD). Perf 3656-86 and 3718-30 (3656-3730). Acidize w/ 1000 gal of mud acid. Acidize w/ 3000 gal of 15% acid. Sand frac w/ 4000 gal oil and 4000# of sand.
P&A	Perforate	Perforate 3528-3556. Acidize w/ 500 gal mud acid. Sand frac w/ 4000 gal lease crude and 3000# sand. Set BP @ 3415. Perforate 3312-23, 3550-58, and 3374-86 (3312-3386).
7/30/56	Frac	Frac perforations from 3312-3720 w/ 20,000 gal oil and 20,000# of sand.
8/8/56	Treatment	Treat w/ 4200 gal lease oil mixed with 30 gallons 3-n Tretelate.
6/11/57	Perforate	Sqz 3312-3730 w/ 200sx. DO and CO to 3800. Perforate 3754-3799 w/ 112 jet shots. Frac w/ 16,000gal lease crude and 16,000# sand.
7/18/57	Deepen	Set cmt rtnr @ 3265 and sqz perfs w/ 200sx. DO cmt and deepen hole. Set 201 ft of 5.5" 15# liner from 3718-3919 and cmt w/ 30 sx. DO cmt to 3918. Perf liner 3864-3874 w/ 64 jet shots. Sand frac w/ 20,000 gal refined oil and 20,000# of sand.
11/12/65	TA	Well shut in pending water flood.
4/4/66	TA	Well shut in pending water flood.
11/18/66	TA	Well shut in pending water flood.
10/31/69	CIBP/Perf	Set CIBP @ 3860 and dumped one sk cmt on top. PBTD=3846. Perforate w/ one jsfp @ 3723, 24, 25, 26, 28, 29, 57, 58, 59, 60, 61, and 62 (3723-3762). Treat w/ 1300 gal 15% NEA and rock salt. Frac w/ 10,000 gal gelled brine and 15,000# 20/40 sand.
5/7/76	Install Risers	Install risers and fill cellar w/ sand. Inspected by Mr. Clements w/ NMOCD.
8/10/92	TA	Set CIBP @ 3212 (Actually tagged @ 3690). Fill casing to surface w/ treated fluids. Well TA.
1/4/93	TA	Test casing (chart attached). Well TA.
1/26/99	P&A	Tag @ 3690. Spot 25sx class C cmt. Tag @ 3566. Set CIBP@ 3212. CH w/ 10# mud and spot 25sx class C cmt. Spot 25sx class C cmt @ 2794. Perf csg @ 1537 and sqz 40sx class C cmt. Tag @ 1380. Perf csg @ 374 and sqz 200sx. Circ to surface between 7" and 10.75 and fill 7" csg.

EXHIBIT C

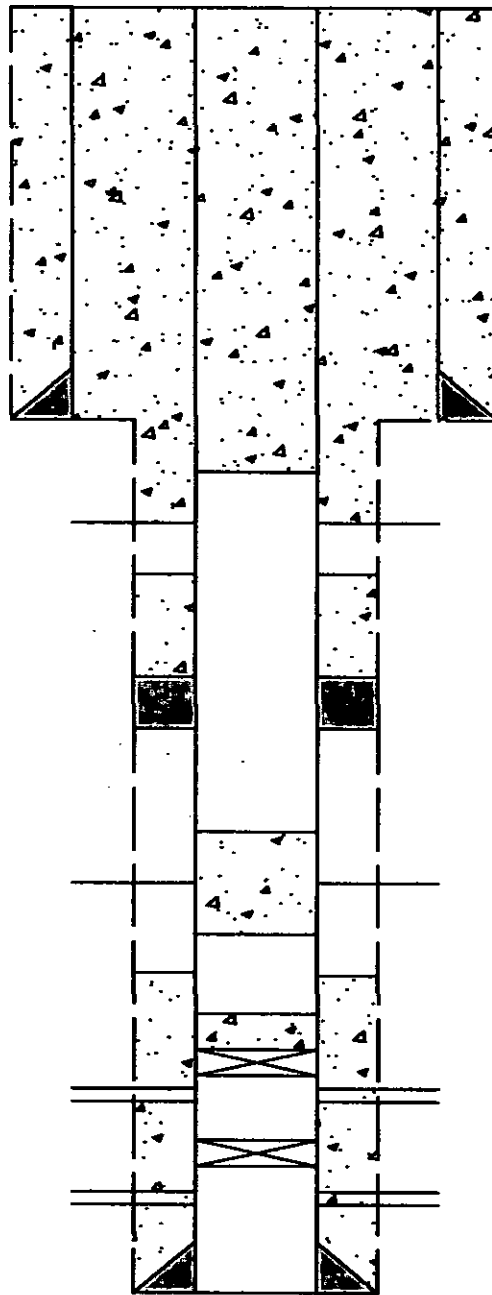
API	Well Name	Type
30-025-05825	EAST EUMONT UNIT #083	Injection

Location	Status	Lease
C 34 19S 37E (660 FNL, 1980 FWL)	Plugged, Site Released	Private

Current Operator	Depth (ft)	Spud Date
[192463] OXY USA WTP LIMITED PARTNERSHIP	3815	7/23/57

Completed Formation	P&A
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T Anhy	1353
T Salt	
B Salt	
T Yates	2705
T 7 Rivers	2958
T Queen	3525
T Penrose	
T Grayburg	
T San Andres	
T Glorieta	
T Paddock	
T Blinbry	
T Tubb	
T Drinkard	
T Abo	
T Wolcamp	
T Pen	
T Cisco	



Pump 60 sks
367' to surface.

8 5/8" @ 317' w/ 250
sks cmt. Circ.

Repair leaks w/ 300 sks.
Cir 25sks out braden head
(736 to surface).

DV tool @ 1350.
TOC @ 990'.

Perf @ 2755'. Spot 25 sks
cmt 3026 to 2675 feet.

TOC @ 3323 (calc)

CIBP @ 3711 w/ 25 sks.

Perforated 3761 to 3799 feet.

CIBP @ 3815'.
Perforated 3837 to 3869
feet.

5.5" @ 3900 feet w/ 200
sks

TD @ 3900

Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	22.7 and 24	12 1/4	317	250	Surface	Circ
5 1/2	14	7 7/8	3900	200	990	TS

EXHIBIT C

EAST EUMONT UNIT #083		
30-025-05825		
C 34 19S 37E (660 FNL, 1980 FWL)		
Date	Description	Summary
7/23/57	Spud	Spud well.
7/24/57	Csg	Set 8 5/8" @ 317' and cmt w/ 250 sks. Cmt circ.
8/7/57	Csg	Set 5.5" @ 3900'. Stage tool @ 1350'. Cmt w/ 200 sks. TOC @ 990'.
8/11/57	Perforate	Perforated 5.5 @ 3837 to 3869 (76 shots).
8/12/57	Acidize	Acidize perfs w/ 1000 gal mud acid.
8/13/57	Frac	Fractur ed w/ 20,000 gal crude w/ 1ppg sand.
7/22/69	Injection	Put well on injection. Guiberson tension pkr @ 3649'. (Perforations 3761-3799, CIBP @ 3815)
4/23/76	Risers	Installed risers on all str ings, and filled cellar with sand.
Jan-86	Csg Leak	Found csg leaks 705 to 736 feet. Sqz w/ 300 sks. Circ 25 sks out Bradenhead. Drilled out cmt, and rih w/ bit to perfs. Acidized perfs. Set pkr @ 3640 and retur n to injection.
4/17/97	TA	MIT. TA expires 06/14/2008
9/15/02	P&A	Set CIBP @ 3711 and spot 25 sks. Perf csg @ 2755'. Couldn't establish injection rate.
9/17/02	P&A	Spot ed 25 sks from 3026 to 2675 feet. Spot 25 sks @ 1400 feet. Spot 60 sks 367 feet to surface.

EXHIBIT C

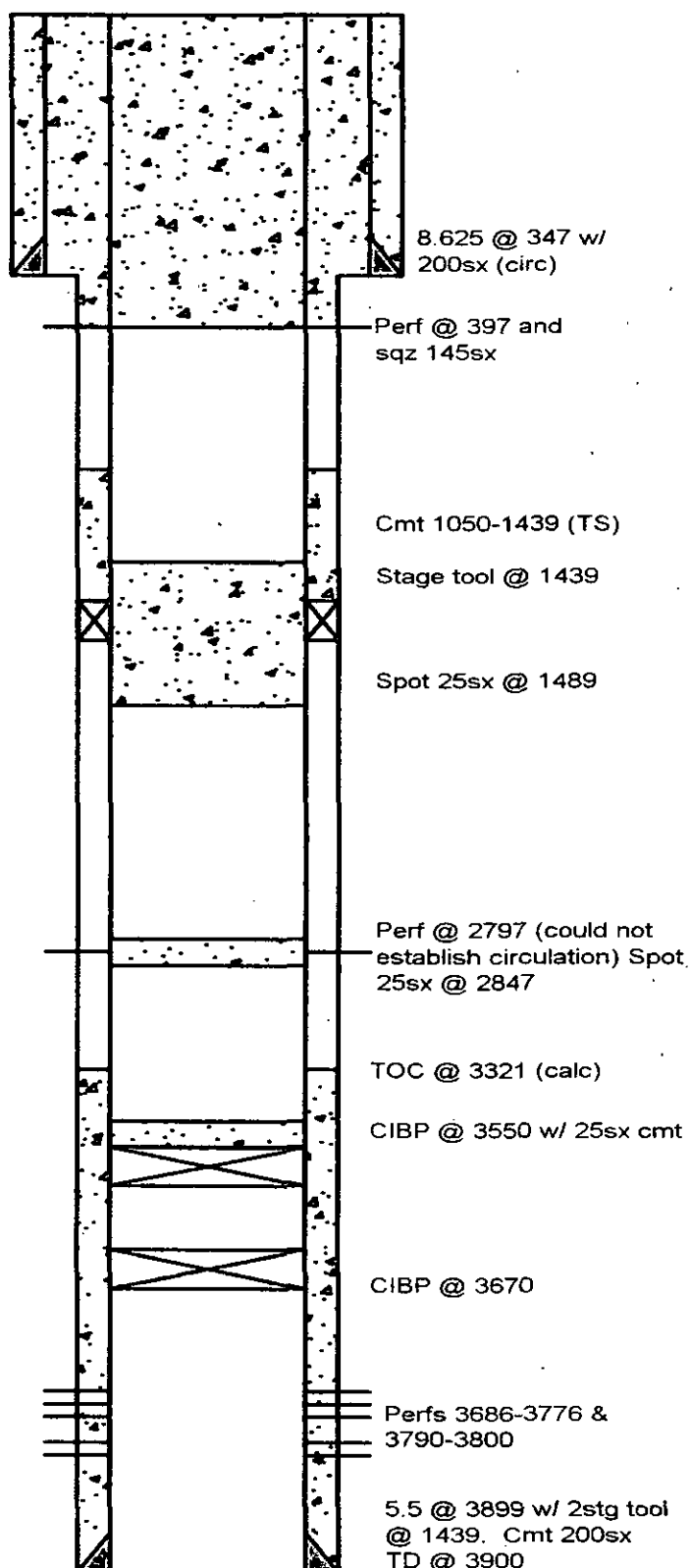
API	Well Name	Type
30-025-05822	EAST EUMONT UNIT #084	Oil

Location	Status	Lease
B 34 19S 37E (660 FNL, 1980 FEL)	Plugged, Site Released	State

Current Operator	Depth (ft)	Spud Date
[192463] OXY USA WTP LIMITED PARTNERSHIP	3900	9/12/57

Producing Formation	P&A

T Anhy	1399
T Salt	
B Salt	
T Yates	2747
T 7 Rivers	3000
T Queen	3562
T Penrose	
T Grayburg	
T San Andres	
T Glorietta	
T Paddock	
T Blinebry	
T Tubb	
T Drinkard	
T Abo	



Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8.625	28	12.25	347	200	Surf	Circ
5.5	14	7.875	3899	200	1050	TS

EXHIBIT C

EAST EUMONT UNIT #084		
30-025-05822		
B 34 19S 37E (660 FNL, 1980 FEL)		
Date	Description	Summary
9/12/57	Spud Well	Spud well.
9/12/57	Set CSG	Set 8.625 csg @ 347 w/ 200sx cmt. Cmt circ.
9/28/57	Set CSG	Set 5.5 csg @ 3899 w/ 2 stage tool @ 1439. Cmt w/ 200 sx. TOC behind casing at 1050.
10/1/57	Perforate	Perforate 5.5 from 3790-3800. Fracture perms w/ 20,000 gal oil and 20,000# of sand.
11/12/65	Well TA	Well shut in pending development of water flood.
4/4/66	Well TA	Well shut in pending development of water flood.
11/18/66	Well TA	Well shut in pending development of water flood.
4/11/73	Perforate	Perf 5.5 csg @ 3686-3776 w/ 22 shots. Treated w/ 40,000 gal gelled water and 40,000# 20/40 sand, 2500 gal 15% NE, 950# benzoic acid, and rock salt.
4/22/76	Install Risers	Installed risers to GL. Inspected by Mr. Clements w/ NMOCD.
7/14/92	Well TA	Set CIBP on WL @ 3586. Circ csg w/ treated fluids.
10/14/93	Well On Pump	CO to 3854. Test casing. Put well on rod pump.
2/9/96	Well TA	Set CIBP @ 3670. Circ hole w/ pkr fluid. Test well to 500# okay. Well TA.
9/11/02	P&A, CIBP	Set CIBP @ 3550 on WL. Tag w/ tbg. SD for mechanical issues w/ pump.
9/13/02	P&A, Spot Cmt	CH w/ Salt Gel. Spt 25sx Class C cmt
9/14/02	P&A, Perf & Cmt	Perf @ 2797. Could not circ. Spot 25sx Class C cmt @ 2847.
9/14/02	P&A, Cmt & Perf	POOH to 1489 and spot 25sx Class C cmt. Perf 397 and establish circ. Circ 145sx Class C cmt from inside 5.5 between 5.5 and 8.625. Well P&A.

EXHIBIT C

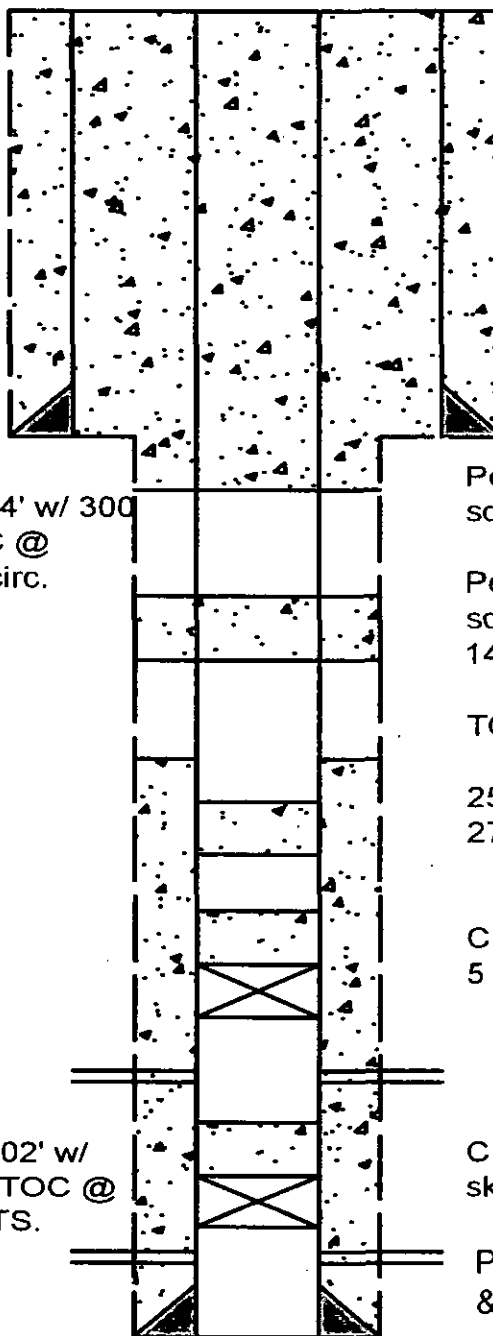
API	Well Name	Type
30-025-05821	EAST EUMONT UNIT #085	Injection

Location	Status	Lease
A 34 19S 37E (330 FNL, 330 FEL)	Plugged, Site Released	State

Current Operator	Depth (ft)	Spud Date
[192463] OXY USA WTP LIMITED PARTNERSHIP	4002	7/19/57

Completed Formation	P&A
------------------------	-----

T Anhy	
T Salt	
B Salt	
T Yates	2763
T 7 Rivers	3017
T Queen	3555
T Penrose	3855
T Grayburg	
T San Andres	
T Glorieta	
T Paddock	
T Blinberry	
T Tubb	
T Drinkard	
T Abo	



8 5/8" @ 304' w/ 300
sks. TOC @
surface, circ.

Perf @ 354, and
sqz 120 sks to surf.

Perf @ 1450' and
sqz 45 sks cmt
1450-1350'. Tag.

TOC @ 1755' (TS)

25 sks cmt @
2760-2660

CIBP @ 3725' w/
5 sks cmt.

5 1/2" @ 4002' w/
550 sks. TOC @
1755' by TS.

CIBP @ 3875' w/ 1
sk cmt.

Perf 3802-3844
& 3774-3958

Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	32	11	304	300	Surface	Circ
5 1/2	15.5	7 7/8	4002	550	1755	TS

EXHIBIT C

EAST EUMONT UNIT #085		
30-025-05821		
A 34 19S 37E (330 FNL, 330 FEL)		
Date	Description	Summary
7/19/57	Spud	Spud well.
7/22/57	Csg	Ran 292' 8 5/8" csg. Cmt w/ 300 sks. Circ.
8/14/57	Csg	Ran 5 1/2" scg to 4002'. Cmt w/ 550 sks. Perforated 3802-3844 w/ 4 JSPF.
8/22/57	P&A	Acidized formation. Details illegible.
12/16/58	Perforate	Perforate 5.5" csg 3774 to 3958 feet. Acidize new and old perforations.
7/22/69	Injection	POOH w/ production equip. Ran bit and scraper. Set Baker N BP @ 3875' and dumped one sack cmt on top of plug. PBD = 3868. RIH w/ IPC tbg and Guiberson tension type pkr. Set pkr @ 3670'. Start injection.
4/23/76	Fill Cellar	Installed riser to ground level on all strings. Filled cellar w/ sand.
4/22/97	TA	MIT csg. TA expires 06/17/2000
5/8/02	TA	MIT csg. TA expires 06/11/2007
8/23/07	P&A	Set CIBP @ 3725'. Dump 5 sks of cmt. Spot 25 sks 2760 to 2660 feet. Perf @ 1450 feet and sqz 45 sks to 1350'. Tag. Perf @ 354 and sqz 120 sks. Cmt to surface.

EXHIBIT C

API	Well Name	Type
30-025-05707	EAST EUMONT UNIT #079	Oil

Location	Status	Lease
P 27 19S 37E (660 FSL, 660 FEL)	Plugged, Not Released	State

Current Operator	Depth (ft)	Spud Date
[192463] OXY USA WTP LIMITED PARTNERSHIP	3860	1/28/57

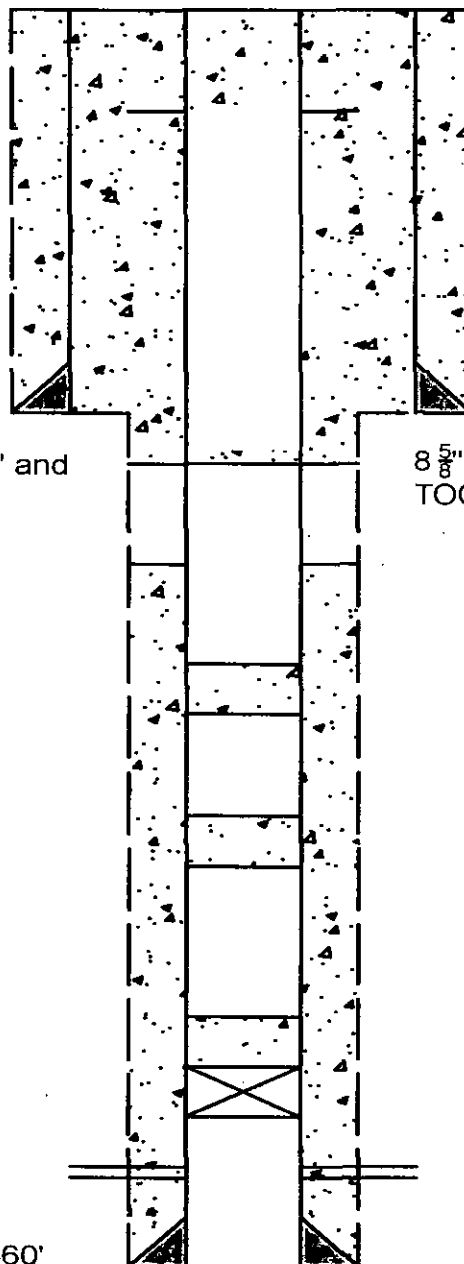
Completed Formation	P&A
------------------------	-----

T Anhy	1440
T Salt	
B Salt	
T Yates	2762
T 7 Rivers	
T Queen	3578
T Penrose	3706
T Grayburg	3850
T San Andres	
T Glorietta	
T Paddock	
T Blinebry	
T Tubb	
T Drinkard	
T Abo	
T Wolcamp	

Perf @ 90'
Could not
pump.

Perf @ 425' and
sqz 50sks

TD =3860'



Pump
45sks in
5.5". Circ
to surface.

8 ⁵/₈" (12 ¹/₄") @ 375'.
TOC @ Surf - Circ

Spot 25 sks
1601-1301 feet

Spot 25sks from
2794-2556 feet

Spot 30sks from
3706-3408 feet
CIBP @ 3706'

Perfs 3806'-3818'

5.5" (7 ⁷/₈") @ 3857'
TOC @ 1220' (TS)

Casing Size	WPF	Hole	Setting Depth	Sks Cmt	TOC	Method TOC Det.
8 5/8	22.7	12 1/4"	375	300	Surf	Circ
5 1/2	15.5	7 3/4	3857	800	1220	TS

EXHIBIT C

EAST EUMONT UNIT #079		
30-025-05707		
P 27 19S 37E (660 FSL, 660 FEL)		
Date	Description	Summary
1/28/57	Spud	Spud well.
1/29/57	Csg	Run 8 5/8 to 375' and cmt w/ 300 sks of cmt. Cmt circ to surface.
2/10/57	Csg	Ran 5.5" csg to 3857' w/ 800 sks.
2/12/57	Perforate	Perforate 3806-3818 feet w/ 4 JSPF.
2/14/57	Frac	Spot 500 gal of 15% NEA. Sand frac w/ 15,000gal of crude and 10,000# of sand. IR=15BPM.
11/12/65	Shut In Well	Well shut in pending water flood.
4/4/66	Shut In Well	Well shut in pending water flood.
11/18/66	Shut In Well	Well shut in pending water flood.
6/16/67	Shut In Well	Well shut in pending water flood.
1/11/72	Resume Op	Ran tubing and put well into operation.
7/14/92	TA Well	Set CIBP @ 3706'. Fill well with treated fluid.
11/24/92	MIT	Load and test casing to 570#.
8/12/98	TA	MIT. TA expires 08/31/2003
1/29/03	TA	MIT. TA expires 03/04/2008.
2/6/13	TA	MIT well. TA status expires 02/06/2014
1/21/14	TA	MIT well. TA status expires 06/14/2014
2/28/14	TA	MIT well.
5/16/14	P&A	RIH and tag CIBP @ 3706'. Spot 30sks Cl C cmt from 3408-3705 feet (calc). PUH to 2794' and spot 25 sks Cl C cmt. Tag @ 2556'. PUH to 1601' and spot 25 sks Cl C cmt w/ 2% CaCl2. Tag @ 1301'. Perforate @ 425' and pump 50sks. Tag @ 420'. Perf @ 90' and pressure to 500#. No rate or pressure loss. Pump 45sks Cl C cmt and cir to surface.

EXHIBIT C

Cart Hill Energy, L.L.C.
Shelley 34 State # 3
API # 30-025-36432
Produced Water Analysis

Data obtained from Go-Tech

Well API #	Township	Range	Formation	TDS	Chlorides
3002510146	22S	37E	San Andres	64895	38010
3002512476	19S	36E	San Andres	26344	Unk
3002512509	18S	38E	GBG/SA	<u>26230</u>	<u>13930</u>
3002503307	19S	35E	San Andres	73409	43880
3002507768	20S	38E	Drinkard	93496	60140
3002506764	21S	37E	<u>BLI/TUBB/DKD</u>	177530	108300

Exhibit "D"



www.pwllc.net



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW#### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is

closed) (quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD	Code	basin	County	Q Q Q				Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
	Sub				64	16	4									
<u>L 00743</u>	L	LE			2	1	1	34	19S	37E	664677	3610858*		40	20	20
<u>L 00743 POD6</u>	L	LE				1	1	34	19S	37E	664578	3610759*		44	21	23
<u>L 00743 S</u>	L	LE				1	1	34	19S	37E	664578	3610759*		46	21	25
<u>L 00743 S2</u>	L	LE				1	1	34	19S	37E	664578	3610759*		46	21	25
<u>L 00743 S3</u>	L	LE			1	2	1	34	19S	37E	664879	3610864*		40	22	18
<u>L 00743 S3</u>	R	L	LE		1	2	1	34	19S	37E	664879	3610864*		40	22	18
<u>L 00743 S4</u>	L	LE			2	1	1	34	19S	37E	664677	3610858*		40	20	20
<u>L 00744 S2</u>	L	LE					3	34	19S	37E	664798	3609755*		50		
<u>L 07513 S</u>	L	LE			3	1	3	34	19S	37E	664490	3609855*		44	25	19
<u>L 08803</u>	L	LE			1	1	1	34	19S	37E	664477	3610858*		41	25	16
<u>L 09768</u>	L	LE				1	1	34	19S	37E	664578	3610759*		39	24	15
<u>L 10166 POD1</u>	L	LE			4	4	3	34	19S	37E	665098	3609459*		35		
<u>L 10166 POD2</u>	L	LE			4	4	3	34	19S	37E	665098	3609459*		35		
<u>L 10166 POD3</u>	L	LE			4	4	3	34	19S	37E	665098	3609459*		35		
<u>L 10386</u>	L	LE			2	2	1	34	19S	37E	665079	3610864*		34	21	13
<u>L 10391</u>	L	LE				1	1	34	19S	37E	664578	3610759*		44	21	23
<u>L 10403</u>	L	LE			2	1	1	34	19S	37E	664677	3610858*		41	20	21
<u>L 12457 POD1</u>	L	LE			4	4	3	34	19S	37E	665007	3609413		74	60	14

Average Depth to Water: 24 feet

Minimum Depth: 20 feet

Maximum Depth: 60 feet

Record Count: 18

PLSS Search:

Section(s): 34

Township: 19S

Range: 37E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

8/19/14 9:31 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

EXHIBIT E

Analytical Results For:

 CART HILL ENERGY, LLC
 125 W. ST. ANNE PLACE
 HOBBS NM, 88240

 Project: SHELLEY SWD
 Project Number: NONE GIVEN
 Project Manager: MARVIN BURROWS
 Fax To: NONE

 Reported:
 25-Sep-14 13:42

WATER SAMPLE

H402848-01 (Water)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories
Inorganic Compounds

Alkalinity, Bicarbonate	195		5.00	mg/L	1	4090813	AP	17-Sep-14	310.1	
Alkalinity, Carbonate	ND		0.00	mg/L	1	4090813	AP	17-Sep-14	310.1	
Chloride*	60.0		4.00	mg/L	1	4090801	AP	16-Sep-14	4500-Cl-B	
Conductivity*	612		1.00	uS/cm	1	4091712	AP	17-Sep-14	120.1	
pH*	7.58		0.100	pH Units	1	4091711	AP	17-Sep-14	150.1	
Sulfate*	61.5		10.0	mg/L	1	4091710	AP	17-Sep-14	375.4	
TDS*	380		5.00	mg/L	1	4090403	AP	17-Sep-14	160.1	
Alkalinity, Total*	160		4.00	mg/L	1	4090813	AP	17-Sep-14	310.1	

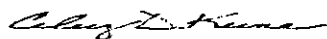
Green Analytical Laboratories
Total Recoverable Metals by ICP (E200.7)

Calcium*	61.6		1.00	mg/L	1	B409228	JGS	22-Sep-14	EPA200.7	
Magnesium*	14.8		1.00	mg/L	1	B409228	JGS	22-Sep-14	EPA200.7	
Potassium*	4.68		1.00	mg/L	1	B409228	JGS	22-Sep-14	EPA200.7	
Sodium*	49.8		1.00	mg/L	1	B409228	JGS	22-Sep-14	EPA200.7	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

CART HILL ENERGY, LLC
125 W. ST. ANNE PLACE
HOBBS NM, 88240

Project: SHELLEY SWD
Project Number: NONE GIVEN
Project Manager: MARVIN BURROWS
Fax To: NONE

Reported:
25-Sep-14 13:42

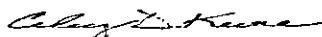
Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4090403 - Filtration										
Blank (4090403-BLK1)					Prepared: 04-Sep-14 Analyzed: 08-Sep-14					
TDS	ND	5.00	mg/L							
LCS (4090403-BS1)					Prepared: 04-Sep-14 Analyzed: 08-Sep-14					
TDS	496	5.00	mg/L	527		94.1	80-120			
Duplicate (4090403-DUP1)					Source: H402726-04 Prepared: 04-Sep-14 Analyzed: 08-Sep-14					
TDS	1900	5.00	mg/L		1840			3.32	20	
Batch 4090801 - General Prep - Wet Chem										
Blank (4090801-BLK1)					Prepared: 08-Sep-14 Analyzed: 09-Sep-14					
Chloride	ND	4.00	mg/L							
LCS (4090801-BS1)					Prepared: 08-Sep-14 Analyzed: 09-Sep-14					
Chloride	104	4.00	mg/L	100		104	80-120			
LCS Dup (4090801-BSD1)					Prepared: 08-Sep-14 Analyzed: 09-Sep-14					
Chloride	104	4.00	mg/L	100		104	80-120	0.00	20	
Batch 4090813 - General Prep - Wet Chem										
Blank (4090813-BLK1)					Prepared & Analyzed: 08-Sep-14					
Alkalinity, Carbonate	ND	0.00	mg/L							
Alkalinity, Bicarbonate	ND	5.00	mg/L							
Alkalinity, Total	4.00	4.00	mg/L							

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 CART HILL ENERGY, LLC
 125 W. ST. ANNE PLACE
 HOBBS NM, 88240

 Project: SHELLEY SWD
 Project Number: NONE GIVEN
 Project Manager: MARVIN BURROWS
 Fax To: NONE

 Reported:
 25-Sep-14 13:42

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4090813 - General Prep - Wet Chem
LCS (4090813-BS1)

Prepared & Analyzed: 08-Sep-14

Alkalinity, Carbonate	ND	0.00	mg/L				80-120			
Alkalinity, Bicarbonate	126	5.00	mg/L				80-120			
Alkalinity, Total	104	4.00	mg/L	100		104	80-120			

LCS Dup (4090813-BSD1)

Prepared & Analyzed: 08-Sep-14

Alkalinity, Carbonate	ND	0.00	mg/L				80-120		20	
Alkalinity, Bicarbonate	126	5.00	mg/L				80-120	0.00	20	
Alkalinity, Total	104	4.00	mg/L	100		104	80-120	0.00	20	

Batch 4091710 - General Prep - Wet Chem
Blank (4091710-BLK1)

Prepared & Analyzed: 17-Sep-14

Sulfate	ND	10.0	mg/L							
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LCS (4091710-BS1)

Prepared & Analyzed: 17-Sep-14

Sulfate	18.8	10.0	mg/L	20.0		93.8	80-120			
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LCS Dup (4091710-BSD1)

Prepared & Analyzed: 17-Sep-14

Sulfate	18.2	10.0	mg/L	20.0		91.2	80-120	2.76	20	
---------	------	------	------	------	--	------	--------	------	----	--

Batch 4091711 - NO PREP
LCS (4091711-BS1)

Prepared & Analyzed: 17-Sep-14

pH	7.10		pH Units	7.00		101	90-110			
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Duplicate (4091711-DUP1)

Source: H402848-01

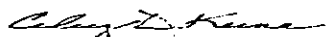
Prepared & Analyzed: 17-Sep-14

pH	7.65	0.100	pH Units	7.58				0.919	20	
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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:CART HILL ENERGY, LLC
125 W. ST. ANNE PLACE
HOBBS NM, 88240Project: SHELLEY SWD
Project Number: NONE GIVEN
Project Manager: MARVIN BURROWS
Fax To: NONEReported:
25-Sep-14 13:42**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch 4091712 - General Prep - Wet Chem**LCS (4091712-BS1)**

Prepared & Analyzed: 17-Sep-14

Conductivity	483		uS/cm	500		96.6	80-120			
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Duplicate (4091712-DUP1)

Source: H402848-01

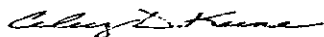
Prepared & Analyzed: 17-Sep-14

Conductivity	612	1.00	uS/cm		612			0.00	20	
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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

EXHIBIT E

Analytical Results For:

 CART HILL ENERGY, LLC
 125 W. ST. ANNE PLACE
 HOBBS NM, 88240

 Project: SHELLEY SWD
 Project Number: NONE GIVEN
 Project Manager: MARVIN BURROWS
 Fax To: NONE

 Reported:
 25-Sep-14 13:42

Total Recoverable Metals by ICP (E200.7) - Quality Control
Green Analytical Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B409228 - Total Recoverable, Direct Analysis E200.7/E200.8
Blank (B409228-BLK1)

Prepared & Analyzed: 22-Sep-14

Magnesium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
Potassium	ND	1.00	mg/L							
Calcium	ND	1.00	mg/L							

LCS (B409228-BS1)

Prepared & Analyzed: 22-Sep-14

Magnesium	25.6	1.00	mg/L	25.0		102	85-115			
Calcium	4.89	1.00	mg/L	5.00		97.8	85-115			
Potassium	10.1	1.00	mg/L	10.0		101	85-115			
Sodium	8.03	1.00	mg/L	8.10		99.1	85-115			

LCS Dup (B409228-BSD1)

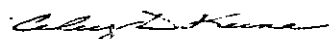
Prepared & Analyzed: 22-Sep-14

Potassium	10.3	1.00	mg/L	10.0		103	85-115	2.15	20	
Magnesium	25.6	1.00	mg/L	25.0		102	85-115	0.134	20	
Calcium	4.91	1.00	mg/L	5.00		98.1	85-115	0.319	20	
Sodium	8.03	1.00	mg/L	8.10		99.1	85-115	0.0417	20	

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Celey D. Keene, Lab Director/Quality Manager

Legal Notice

Cart Hill Energy, L.L.C., 125 W. St Anne, Hobbs, NM 88240 has filed form C108(Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for the conversion of the Shelley 34 State # 3, API 30-025-36432 , 990 FNL x 1700 FEL, Unit Letter "B", Section 34, T19S, R37E, Lea County, New Mexico from a plugged and abandoned oil well to a commercial San Andres salt water disposal well. The disposal interval would be the San Andres formation through perforations 4028 feet to 5256 feet. Disposal fluid would be produced water trucked in from numerous producing oil wells in southeastern New Mexico. Anticipated disposal rate 3000 BWPD with a maximum disposal rate of 7500 BWPD. Anticipated disposal pressure of 0(Zero) psi with a maximum disposal pressure of 805 psi. Well is located approximately 2 miles east of Monument, New Mexico.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days. Additional information can be obtained by contacting Billy Prichard 432-934-7680

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, do 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

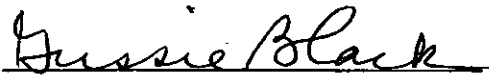
of 1 issue(s).

Beginning with the issue dated
August 20, 2014
and ending with the issue dated
August 20, 2014



PUBLISHER

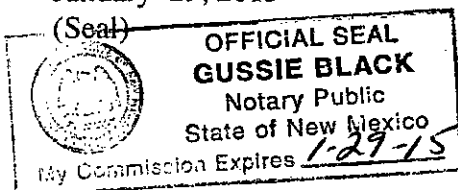
Sworn and subscribed to before me
this 20th day of
August, 2014



Notary Public

My commission expires
January 29, 2015

(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
publication has been made.

LEGAL NOTICE August 20, 2014

Cart Hill Energy, L.L.C., 125
W. St. Anne, Hobbs, NM
88240 has filed form
C108 (Application for
Authorization to Inject) with
the New Mexico Oil
Conservation Division
seeking administrative
approval for the conversion
of the Shelley 34 State # 3,
API 30-025-36432, 990
FNL x 1700 FEL Unit
Letter B, Section 34, T19S,
R37E, Lea County, New
Mexico from a plugged and
abandoned oil well to a
commercial San Andres salt
water disposal well. The
disposal interval would be the
San Andres formation
through perforations 4028
feet to 5256 feet. Disposal
fluid would be produced
water trucked in from
numerous producing oil
wells in southeastern New
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maximum disposal rate of
7500 BWPD. Anticipated
disposal pressure of 0 (Zero)
psi with a maximum
disposal pressure of 805
psi. Well is located
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of Monument, New Mexico.

All interested parties
opposing the
aforementioned must file
objections with the New
Mexico Oil Conservation
Division, 1220 South St.
Francis Drive, Santa Fe,
New Mexico 87505 within
15 days. Additional
information can be obtained
by contacting Billy Prichard
432-934-7680
#29308

02107812

00142485

BILLY E. PRICHARD
PUEBLO WEST LLC
OILFIELD CONSULTING SERVICE
125 GREENHOUSE VILLAGE
DECATUR, TX 76234

EXHIBIT F

Affidavit of Publication

State of New Mexico,
County of Lea.

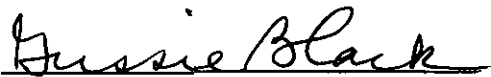
I, DANIEL RUSSELL
PUBLISHER
of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
August 20, 2014
and ending with the issue dated
August 20, 2014



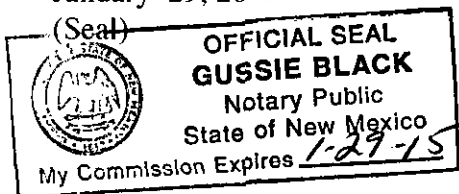
PUBLISHER

Sworn and subscribed to before me
this 20th day of
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Notary Public

My commission expires
January 29, 2015



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FNL x 1700 FEL, Unit
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fluid would be produced
water trucked in from
numerous producing oil
wells in southeastern New
Mexico. Anticipated disposal
rate 3000 BWPDP with a
maximum disposal rate of
7500 BWPDP. Anticipated
disposal pressure of 0(Zero)
psi with a maximum
disposal pressure of 805
psi. Well is located
approximately 2 miles east
of Monument, New Mexico.

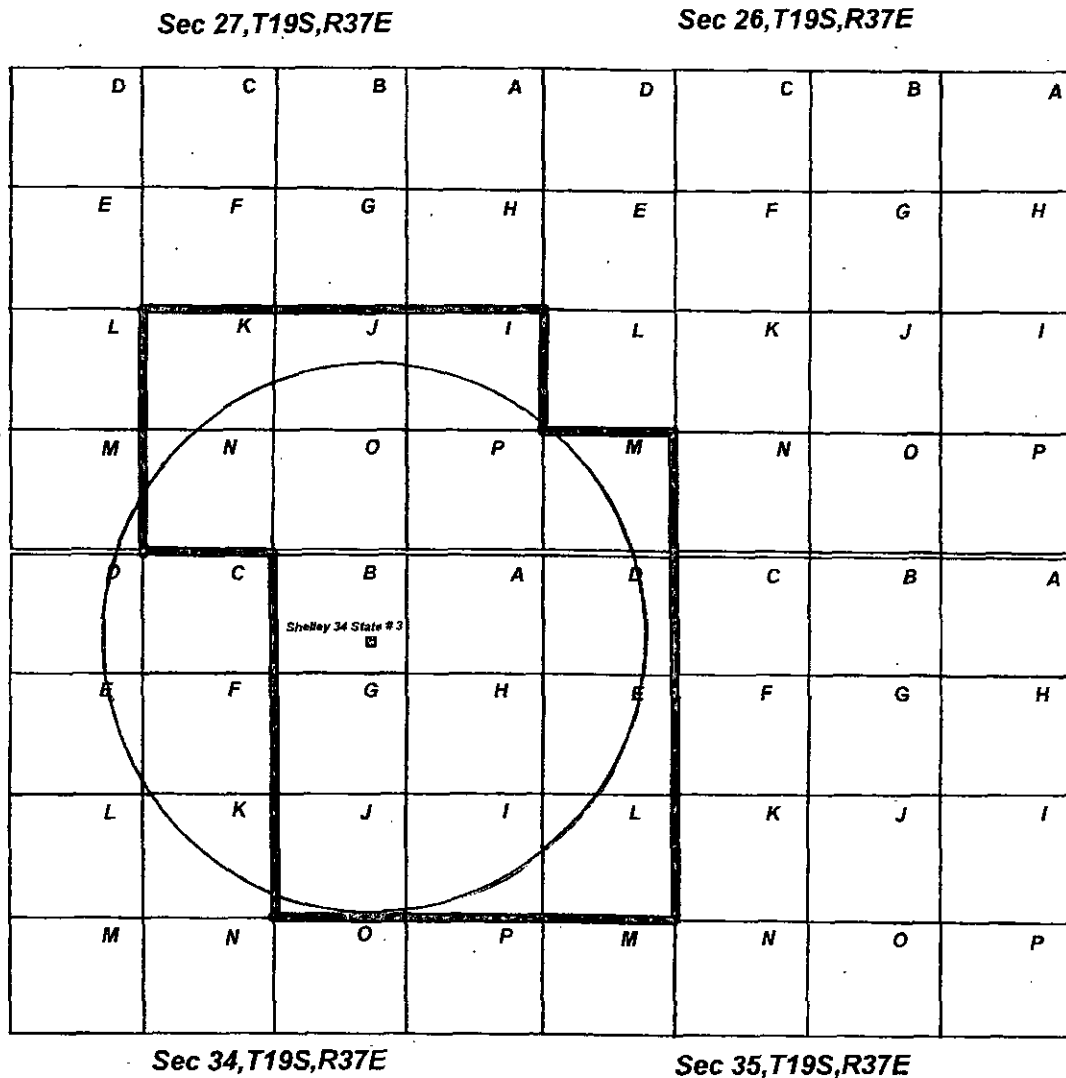
All interested parties
opposing the
aforementioned must file
objections with the New
Mexico Oil Conservation
Division, 1220 South St.
Francis Drive, Santa Fe,
New Mexico 87505 within
15 days. Additional
information can be obtained
by contacting Billy Prichard
432-934-7680
#29308

02107812

00142485

BILLY E. PRICHARD
PUEBLO WEST LLC
OILFIELD CONSULTING SERVICE
125 GREENHOUSE VILLAGE
DECATUR, TX 76234

**Cart Hill Energy, L.L.C.
Shelley 34 State # 3
API # 30-025-36432
Area of Review**



**Mineral Owner
State of New Mexico
Commissioner of Public Land
PO Box 1148
Santa Fe, New Mexico
87504-1148**

EXHIBIT F

***Cart Hill Energy, L.L.C.
Shelley 34 State # 003
API # 30-025-36432***

***Unit Letter "C", "D", "E", "F", "K" Section 34, T19S, R37E
Lease Holders/WI owners***

**Cimarex Energy Company
202 S. Cheyenne Ave., Ste. 1000
Tulsa, OK 74103**

**Occidental Oil and Gas Corp.
5 Greenway Plaza,
Houston, TX 77046**

**Apache Corporation
6120 S. Yale Suite 1500
Tulsa, OK 74136**

**Cimarex Energy Company
5215 N. O'Connor Blvd Ste. 1500
Irving, TX 75039**

EXHIBIT F

**Cart Hill Energy, L.L.C.
Shelley 34 State # 003
API # 30-025-36432**

Unit Letter "A" Section 34, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
Morexco, Inc ✓
Rhonda A. Becker
PO Box 51208
Midland, TX 79710**

Unit Letter "B", "H", "I" Section 34, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
ZPZ Delaware I, L.L.C. ✓
Attention: Peggy Clark
2000 Post Oak Blvd, Suite 100
Houston, TX 77056**

Unit Letter "G" Section 34, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
Chevron USA, Inc ✓
PO Box 1635
Houston, TX 77251-1635**

Unit Letter "J" Section 34, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
Leaco NM Exploration and Production, L.L.C. ✓
Attention: Peggy Clark
2000 Post Oak Blvd, Suite 100
Houston, TX 77056**

EXHIBIT F

**Cart Hill Energy, L.L.C.
Shelley 34 State # 003
API # 30-025-36432**

Unit Letter "D" Section 35, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
Penroc Oil Corporation
PO Box 2769
Hobbs, NM 88240**

**Chevron USA, Inc
PO Box 1635
Houston, TX 77251-1635**

Unit Letter "E" Section 35, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
Chevron USA, Inc
PO Box 1635
Houston, TX 77251-1635**

**ConocoPhillips
3401 E. 30th street
Farmington, NM 87402**

Unit Letter "L" Section 35, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
Chevron USA, Inc
PO Box 1635
Houston, TX 77251-1635**

EXHIBIT F

**Cart Hill Energy, L.L.C.
Shelley 34 State # 003
API # 30-025-36432**

Unit Letter "M" Section 26, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
Chevron USA, Inc
PO Box 1635
Houston, TX 77251-1635**

Unit Letter "I", "P", "O" Section 27, T19S, R37E

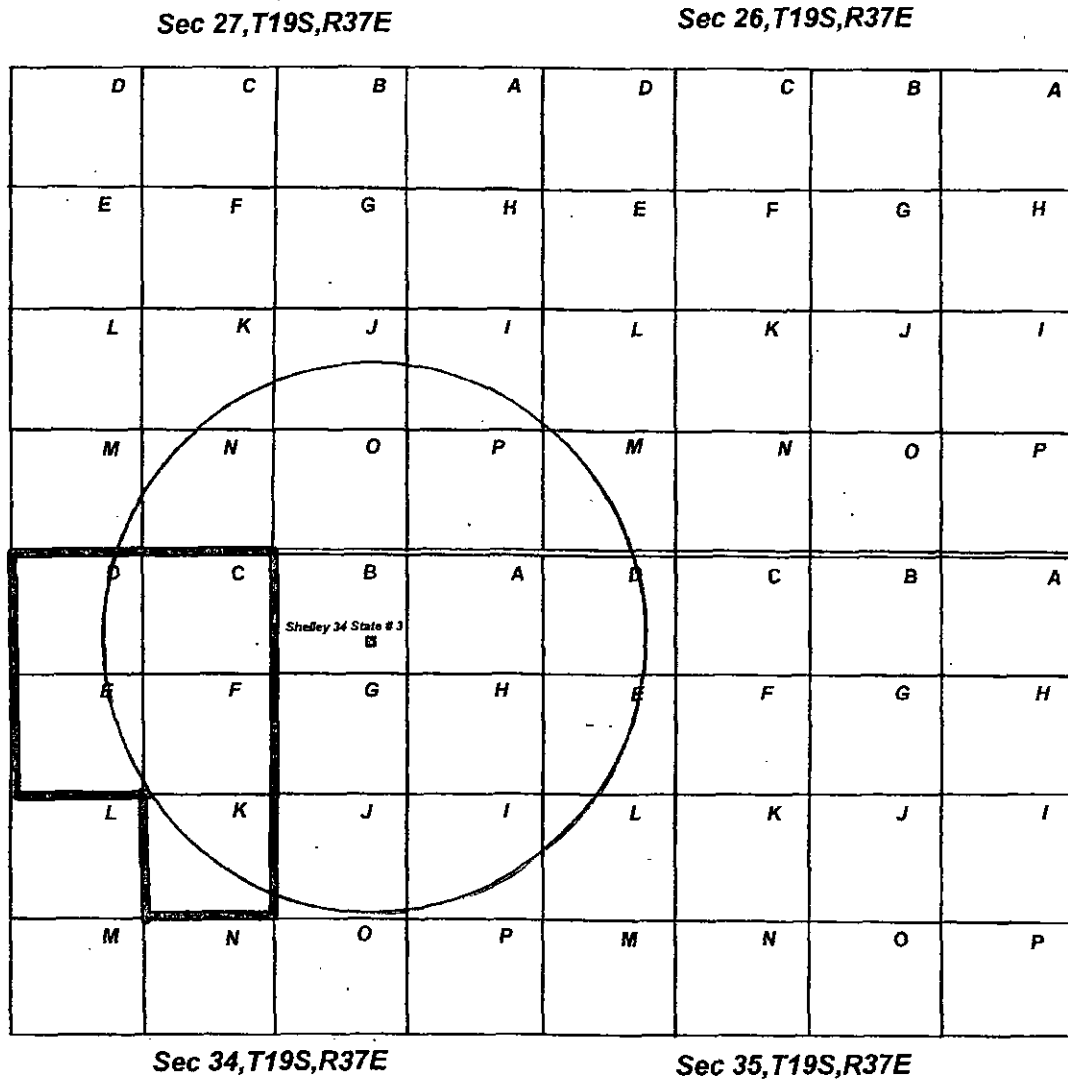
**Mineral Owner
State of New Mexico
Lease Holder
Chevron USA, Inc
PO Box 1635
Houston, TX 77251-1635**

Unit Letter "J", "K", "N" Section 27, T19S, R37E

**Mineral Owner
State of New Mexico
Lease Holder
EOG Resources, Inc
PO Box 2267
Midland, TX 79702**

EXHIBIT F

**Cart Hill Energy, L.L.C.
Shelley 34 State # 3
API # 30-025-36432
Area of Review**



**Cart Hill Energy, L.L.C.
Shelley 34 State # 003
API # 30-025-36432**

**Unit Letter "C", "D", "E", "F", "K" Section 34, T19S, R37E
Mineral Owners**

**Brook Colby Gruszka
3 West Magnolia Court
Streamwood, IL 60107**

**Security State Bank and Trust
Marjorie J. Oberholtzer, Oberholtzer Family Trust
PO Box 29004
Kerrville, TX 78029**

**Oxy USA Inc.
PO Box 50250
Midland, TX 79710**

**Lee Family Trust
PO Box 363
Lovington, NM 88260**

**Lexey Cragin Lambert
100 N. Stone, Suite 1002
Tucson, AZ 85701**

**Robert Cragin Lambert
PO Box 648
Burbank, CA 91503**

**Mack H. Wooldridge
PO Box 1846
Albany, TX 76430**

EXHIBIT F

**Cart Hill Energy, L.L.C.
Shelley 34 State # 003
API # 30-025-36432**

**Unit Letter "C", "D", "E", "F", "K" Section 34, T19S, R37E
Mineral Owners**

**Ann Hooper Taylor
1610 North J
Midland, TX 79701**

**Patsy Ann Thompson, trustee
Thompson Living Trust
136 Driftwood Drive
Florence, OR 97439**

**Muriel Shepard Butler
2540 East Crest
Bettendorf, IA 52722**

**John Shepard
10324 Yukon
Bloomington, MN 55438**

EXHIBIT F

**Cart Hill Energy, L.L.C.
Shelley 34 State # 003
API # 30-025-36432**

**Unit Letter "C", "D", "E", "F", "K" Section 34, T19S, R37E
Mineral Owners**

**Matthew S. Fatheree
PO Box 96043
Southlake, TX 76092**

**East River Energy, LLC
601 S. Boulder, Suite 810,
Tulsa, OK 74119**

**WAL Resources
PO Box 52848
Tulsa, OK 74152**

**Buccaneer Exploration Co., LLC
6585 S. Yale, Suite 900
Tulsa, OK 74136**

**Soderberg Living Trust
27653 Flaming Arrow Dr.
Ranchos Palos Verdes, CA 90275**

**Lila R. Finley Living Trust
27653 Flaming Arrow Dr.
Ranchos Palos Verdes, CA 90275**

**Stewart E. Feltz,
Dorothy A. Feltz Revocable Living Trust
5 Gates St.
Crystal Lake, IL 60014**

**Paul Colby
163 Riverside Dr.
Cape Canaveral, FL 32920**

EXHIBIT F

**Cart Hill Energy, L.L.C.
Shelley 34 State # 003
API # 30-025-36432**

**Unit Letter "C", "D", "E", "F", "K" Section 34, T19S, R37E
Lease Holders/WI owners**

**Tanner Royalties, LLC
15601 N. Dallas Parkway, Ste. 900
Addison, TX 75001**

**Windom Royalties, LLC
15601 N. Dallas Parkway, Ste. 900
Addison, TX 75001**

**Muscogee Royalty Company
307 W. 7th Street, Ste. 1718
Ft. Worth, TX 76102**

**Tyetex Ventures, Ltd
PO Box 1360
Tyler, TX 75710**

**Anthem Oil and Gas, Inc
PO Box 1015
Midland, TX 79702**

**Macknet Insurance Trust,
c/o Kenneth D. Macknet Jr., trustee
25815 Barton Rd., Ste. 101
Loma Linda, CA 92354**

EXHIBIT F

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TANNER ROYALTIES, LLC
15601 N DALLAS PARKWAY STE
900
ADDISON TX 75001

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LILA R. FINLEY LIVING TRUST
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RANCHOS PALOS VERDES, CA
90275

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Total Postage & Fees	\$8.87	09/29/2014

CONOCO PHILLIPS
3401 E 30TH STREET
FARMINGTON NM 87402

for Instructions

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Total Postage & Fees	\$8.87	09/29/2014

NMOCD
1625 N FRENCH DRIVE
HOBBS NM 88241

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Total Postage & Fees	\$8.87	09/29/2014

CIMAREX ENERGY COMPANY
5215 N. O'CONNOR BLVD STE 1500
IRVING TX 75039

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Total	\$8.87	09/29/2014

CIMAREX ENERGY COMPANY
202 S. CHEYENNE AVE., STE. 1000
TULSA, OK 74103

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Total	\$8.87	09/29/2014

ANTHEM OIL AND GAS, INC
PO BOX 1015
MIDLAND, TX 79702

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ADDISON TX 75001

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Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

WINDOM ROYALTIES, LLC
15601 N. DALLAS PARKWAY STE 900
ADDISON TX 75001

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Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

APACHE CORPORATION
6120 S YALE STE 1500
TULSA OK 74136

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Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

MACKNET INSURANCE TRUST
C/O KENNETH D MACKNET JR
TRUSTEE
25815 BARTON RD STE 101
LOMA LINDA CA 92354

**U.S. Postal Service™
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OFFICIAL USE
HOUSTON TX 77046

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Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

OCCIDENTAL OIL AND GAS CORP
5 GREENWAY PLAZA
HOUSTON TX 77046

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HOBBS NM 88241 **OFFICIAL USE**

Postage	\$ 2.87	0634
Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

WILLIAM P. MCNEILL
PO BOX 1092
HOBBS NM 88241

Instructions

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Postage	\$ 2.87	0634
Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

BROOK COLBY GRUSZKA
3 WEST MAGNOLIA COURT
STREAMWOOD IL 60107

Instructions

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Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

SODERBERG LIVING TRUST
27653 FLAMING ARROW DR
RANCHO PALOS VERDES CA
90275

Instructions

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Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

SECURITY STATE BANK
MARJORIE J OBERHOLTZER-
OBERHOLTZER F T
PO BOX 29004
KERRVILLE, TX 78029

Instructions

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MIDLAND TX 79710 **OFFICIAL USE**

Postage	\$ 2.87	0634
Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

OXY USA INC.
PO BOX 50250
MIDLAND TX 79710

Instructions

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Postage	\$ 2.87	0634
Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total	\$8.87	09/29/2014

BUCCANEER EXPLORATION CO LLC
6585 S YALE SUITE 900
TULSA OK 74136

Instructions

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TULSA OK 74119

Postage	\$ 2.87	0634
Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.87	09/29/2014

EAST RIVER ENERGY, LLC
 301 S. BOULDER, SUITE 810
 TULSA OK 74119

U.S. Postal Service[™]
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OFFICIAL USE

TULSA OK 74152

Postage	\$ 2.87	0634
Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
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WAL RESOURCES
 PO BOX 52848
 TULSA OK 74152

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MATTHEW S. FATHEREE
 PO BOX 96043
 SOUTHLAKE TX 76092

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 MIDLAND TX 79702

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 PO BOX 1635
 HOUSTON TX 77251-1635

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STEWART E FELTZ,
 DOROTHY A FELTZ REVOCABLE
 LIVING TRUST
 5 GATES ST
 CRYSTAL LAKE IL 60014

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Restricted Delivery Fee (Endorsement Required)	\$0.00	
To	\$8.87	09/29/2014

Sen MURIEL SHEPARD BUTLER
2540 EAST CREST
Str or f BETTENDORF IA 52722
City

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Restricted Delivery Fee (Endorsement Required)	\$0.00	
To	\$8.87	09/29/2014

MACK H. WOOLDRIDGE
PO BOX 1846
ALBANY TX 76430

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Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
To	\$8.87	09/29/2014

LEXEY CRAGIN LAMBERT
100 N. STONE SUITE 1002
TUCSON AZ 85701

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10324 YUKON
BLOOMINGFIELD MN 55438

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ANN HOOPER TAYLOR
1610 NORTH J
MIDLAND TX 79701

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ROBERT CRAGIN LAMBERT
PO BOX 648
BURBANK CA 91503

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Restricted Delivery Fee (Endorsement Required)	\$0.00	
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PATSY ANN THOMPSON, TRUSTEE
THOMPSON LIVING TRUST
136 DRIFTWOOD DRIVE
FLORENCE OR 97439

Instructions

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Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.87	09/29/2014

Sen PENROC OIL CORPORATION
PO BOX 2769
HOBBS NM 88240

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Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.87	09/29/2014

TYETEX VENTURES LTD
PO BOX 1360
TYLER TX 75710

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LEE FAMILY TRUST
PO BOX 363
LOVINGTON NM 88260

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Total Postage & Fees	\$8.87	09/29/2014

MOREXCO INC
RHONDA A BECKER
PO BOX 51208
MIDLAND TX 79710

Instructions

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Certified Fee	\$3.30	01
Return Receipt Fee (Endorsement Required)	\$2.70	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	
Total Postage & Fees	\$8.87	09/29/2014

LEACO NM EXP & PROD LLC
ATTENTION: PEGGY CLARK
2000 POST OAK BLVD STE 100
HOUSTON TX 77056

Instructions

המחלקה הכלכלית

9305 7862 0000 0027 4777

2014 1200 0000 7981 5182



Pueblo West Resources
125 Greathouse Village
Decatur, Texas 76234
432-934-7680

September 30, 2014

RECEIVED OCD
2014 OCT -2 P 2:55

Please find enclosed 2 copies of form C108 for Cart Hill Energy for the Shelley 34 State # 3 API 30-025-36432. Original Affidavit of Publication is enclosed. Should you need further info, do not hesitate to call or email.

Sincerely,

Billy E. Prichard
email; billy@pwlrc.net

Goetze, Phillip, EMNRD

From: Gage, Tom, EMNRD
Sent: Thursday, January 15, 2015 10:29 AM
To: Goetze, Phillip, EMNRD
Subject: RE: Cart Hill Energy, LLC

This should be good to go now.

From: Goetze, Phillip, EMNRD
Sent: Thursday, January 15, 2015 10:20 AM
To: Gage, Tom, EMNRD
Subject: FW: Cart Hill Energy, LLC

Tom:

Special request. Could you make it possible that this operator is made available in RBDMS OGRID list. Thanks. PRG

Phillip R. Goetze, P.G.
Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
O: 505.476.3466 F: 505.476.3462
phillip.goetze@state.nm.us

From: Gallegos, Denise, EMNRD
Sent: Thursday, January 15, 2015 10:08 AM
To: Goetze, Phillip, EMNRD
Subject: Cart Hill Energy, LLC

I

Cart Hill Energy, LLC
Name: Marvin Burrows Burrows
Phone: 575-631-8067
Email: burrowsmarvin@gmail.com
Submitted on 10/8/2013
Emailed Daniel on 10/8/2013
Daniel emailed operator on 10/9/2013
Rec'd email from Daniel on 10/22/2013 ready to move forward with bonding
OGRID #310548 issued on 8/21/2014

Denise A. Gallegos
Bond Administrator
Oil Conservation Division
Energy, Minerals & Natural Resources Department
1220 South St. Francis Drive

Goetze, Phillip, EMNRD

From: Marvin Burrows <burrowsmarvin@gmail.com>
Sent: Monday, March 23, 2015 9:13 PM
To: Goetze, Phillip, EMNRD
Subject: Cart Hill Energy, LLC SWD Application.

Shelley 34 State No. 3 (API 30-025-36432)

Phillip :

Thank you very much for the update. I know you guys are swamped up there, and I appreciate the good job you all do.

One quick comment on the Rice Operating Co SWD well that you mentioned (in K-33-19-37). I was engineering manager for Rice Operating for several years, so am very familiar with that well. It is 1.5 miles distant from the Shelley State as the crow flies, so I was surprised to see that it might be a factor in the permutability of the Shelley well. Also, a cursory review of available logs seemed to indicate that there would be no merger of flow patterns between these two wells, especially considering the distance.

Thanks again for the update!

Marvin Burrows
Cart Hill Energy, LLC

Goetze, Phillip, EMNRD

From: Marvin Burrows <burrowsmarvin@gmail.com>
Sent: Friday, April 17, 2015 5:52 PM
To: Goetze, Phillip, EMNRD
Cc: Sanchez, Daniel J., EMNRD
Subject: Re : Cart Hill Energy, LLC SWD Application. (30-025-36432)
Attachments: Shelley

Dear Phillip :

Per your recent email to me concerning the processing of subject application, would it help things along any if I were to change the top perf on the application to be at 4150' instead of 4028'? Would be happy to do that, or even deeper if needed.

(See attachment below).

Thanks!
Marvin Burrows
Cart Hill Energy, LLC

Shelley 34 State #3 Proposed SWD

Legend

- 1.49 Miles
- 30-025-21496 E
- 30-025-36432 S
- Monument

Hwy 42 Monument

1.49 Miles

30-025-36432 SHELLEY 34 STATE #003

30-025-21496 E M E SWD #033 [9605]

8

Google earth

© 2015 Google

From: Gallegos, Denise, EMNRD
To: Goetze, Philip, EMNRD
Subject: RE: Cart Hill Energy, LLC
Date: Thursday, May 07, 2015 1:24 PM
Attachments: Image001.jpg

Cart Hill Energy, LLC	RLI Insurance Company	\$12,240	RLB0015737	30-025-36432
Cart Hill Energy, LLC	RLI Insurance Company	\$8,878	RLB0015759	30-025-27496

Yes they do...these are the 2 bonds on file.

Thank you.

Denise A. Gallegos
Bond Administrator
Oil Conservation Division
Energy, Minerals & Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505
Office: 505.476.3462
Fax: 505.476.3462

From: Goetze, Philip, EMNRD
Sent: Thursday, May 07, 2015 1:20 PM
To: Gallegos, Denise, EMNRD
Subject: Cart Hill Energy, LLC

Denise:

Does this operator have an active bond (should be for the Shelly 34 State No. 3)? I'm drafting their SWD order and need to make sure they meet Rule 5.9 for FA. Thanks, PRG

Phillip R. Goetze, P.G.
Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505
O: 505.476.3462 F: 505.476.3462
philip.goetze@state.nm.us

From: Gallegos, Denise, EMNRD
Sent: Thursday, January 15, 2015 10:08 AM
To: Goetze, Philip, EMNRD
Subject: Cart Hill Energy, LLC

Cart Hill Energy, LLC
Name: Marvin Burrows Burrows
Phone: 575-631-8067
Email: burrowsmarvin@gmail.com
Submitted on 10/8/2013
Emailed Daniel on 10/8/2013
Daniel emailed operator on 10/9/2013
Rec'd email from Daniel on 10/22/2013 ready to move forward with bonding
OGRID #310548 issued on 8/21/2014

Denise A. Gallegos
Bond Administrator
Oil Conservation Division
Energy, Minerals & Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505
Office: 505.476.3462
Fax: 505.476.3462

**C-108 Review Checklist:**Received: 11/5/14Add. Request: —Reply Date: 04/02/15Suspended: —

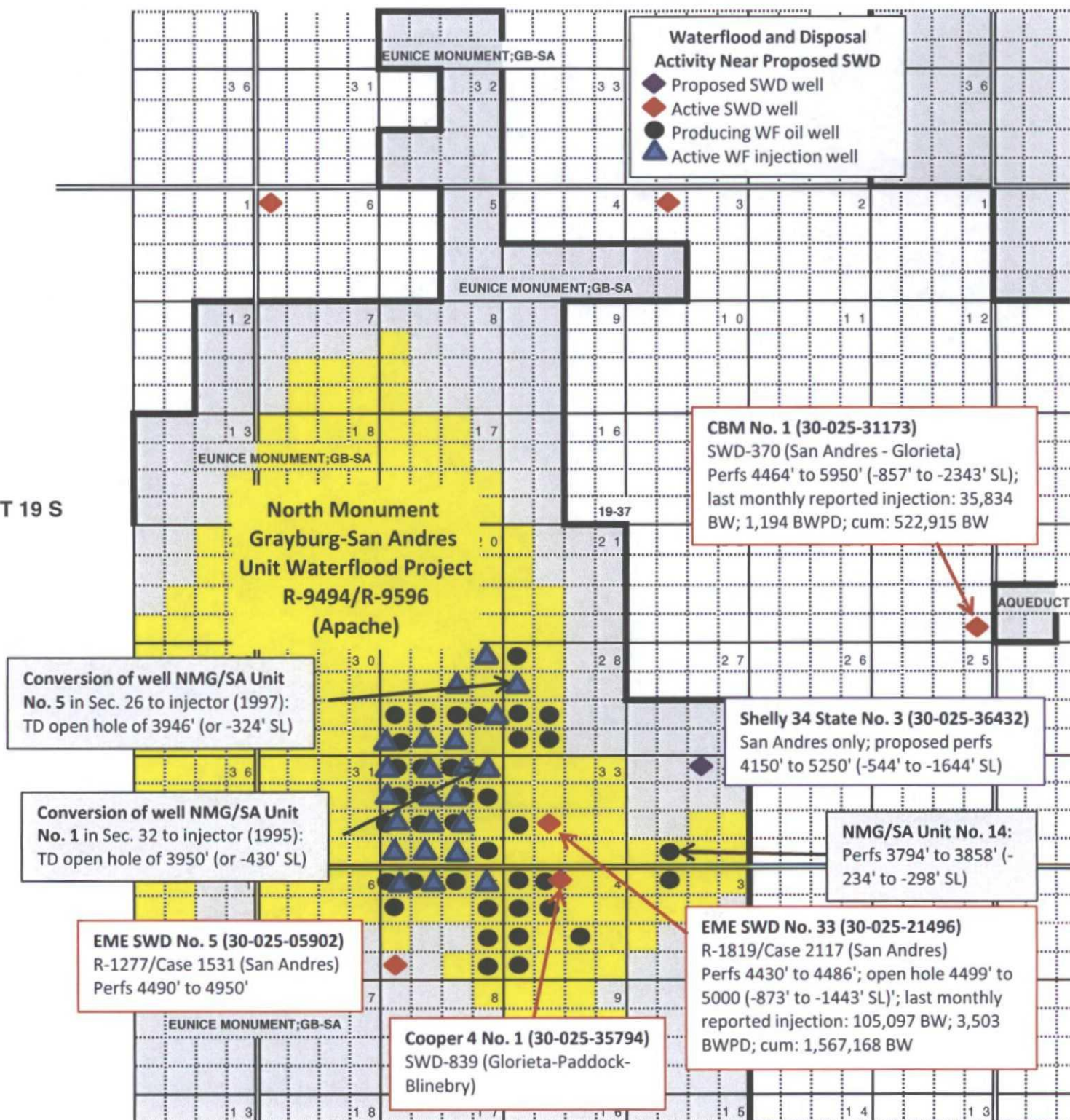
[Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: 1551Order Date: 05/07/15 Legacy Permits/Orders: [water floods in Area]Well No. 3 Well Name(s): Shelley 34 StateAPI: 30-0 25-36432 Spud Date: 10/29/2003 New or Old: New (UIC Class II Primacy 03/07/1982)Footages 990 FNL / 1700 FEL Lot — or Unit B Sec 34 Tsp 19S Rge 37E County LeaGeneral Location: 6 miles S of Hobbs on NM18 Pool: SWD: San Andres Pool No.: 96121
(Skaggs Drinkard NW) (59000)BLM 100K Map: Hobbs Operator: Cart Hill Energy, LLC OGRID: 310548 Contact: B. Frichard, AgentCOMPLIANCE RULE 5.9: Total Wells: 0 Inactive: 0 Fincl Assur: Yes, two Compl. Order? No IS 5.9 OK? Yes Date: 05/07/15WELL FILE REVIEWED ☒ Current Status: P&A; no production well bonds 1 T&A then perm. pluggingWELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☒ After Conv. ☒ Logs in Imaging: Later / Neutron-DensityPlanned Rehab Work to Well: Drill out surface plug & two next plugs; perf interval

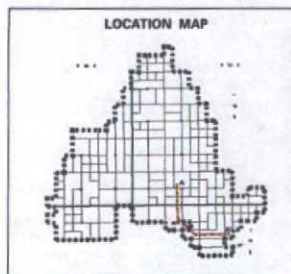
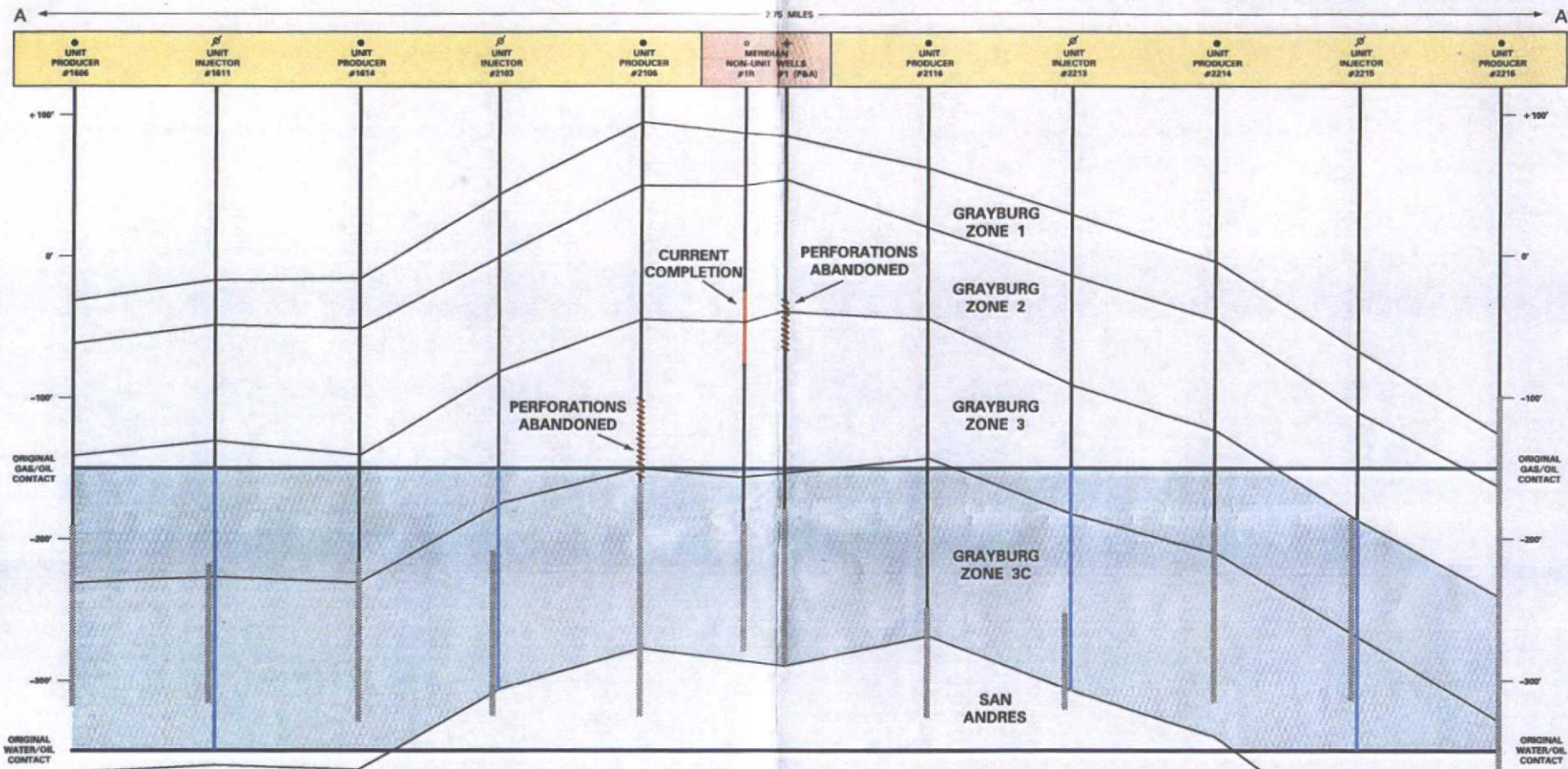
Well Construction Details		Sizes (in)		Setting		Cement		Cement Top and	
		Borehole / Pipe		Depths (ft)		St or Cf		Determination Method	
Planned ☐ or Existing ☒	Surface	12 1/4	8 5/8	0 to 1435	Stage Tool	640	11/1/15	Cir. to surface	
Planned ☐ or Existing ☒	Interm/Prod	7 7/8	5 1/2	0 to 7240	IN - No depth	1490	11/1/15	Cir. to surface	
Planned ☐ or Existing ☐	Interm/Prod	—	—	—	(daily perf)	—	—	—	
Planned ☐ or Existing ☐	Prod/Liner	—	—	—	—	—	—	—	
Planned ☐ or Existing ☐	Liner	—	—	—	—	—	—	—	
Planned ☐ or Existing ☐	OH / PERF	EXISTING: 6622-6844	6700-6788	PROPOSED 4150 to 5250'	Inj Length 1160	1050			
Injection Lithostratigraphic Units:		Depths (ft)		Injection or Confining Units		Tops		Completion/Operation Details:	
Adjacent Unit: Litho. Struc. Por.				Quartz		3518		Drilled TD 7240 PBDT P&A	
Confining Unit: Litho. Struc. Por.		+190		Grayburg		3835		NEW TD — NEW PBDT 5525 (plug)	
Proposed Inj Interval TOP:		4150 4200		San Andres		4010		NEW Open Hole ☐ or NEW Perfs ☒	
Proposed Inj Interval BOTTOM:		5250		—		—		Tubing Size 3.5 in. Inter Coated? Yes	
Confining Unit: Litho. Struc. Por.		+134		Glorieta		5384		Proposed Packer Depth 3985 ft	
Adjacent Unit: Litho. Struc. Por.				Blainebr		5810		Min. Packer Depth 4100 (100-ft limit)	
AOR: Hydrologic and Geologic Information								Proposed Max. Surface Press. 805 psi	
POTASH: R-111-P <u>No</u> Noticed? <u>NA</u> BLM Sec Ord <u>No</u> WIPP <u>No</u> Noticed? <u>NA</u> Salt/Salado T: <u>—</u> B: <u>—</u> NW: Cliff House fm <u>NA</u>								Admin. Inj. Press. 840 (0.2 psi per ft)	
FRESH WATER: Aquifer <u>Capitana / Santarosa</u> Max Depth <u>0-50 / Sec 34</u>								HYDRO AFFIRM STATEMENT By Qualified Person ☒	
NMOSE Basin: <u>Lea</u> CAPITAN REEF: thru ☐ adj ☐ NAO ☒ No. Wells within 1-Mile Radius? <u>18 (est.)</u> FW Analysis ☒									
Disposal Fluid: Formation Source(s) <u>SA / GB / Tubb / Drinkard</u> Analysis? <u>Yes</u> On Lease ☐ Operator Only ☐ or Commercial ☒									
Disposal Int: Inject Rate (Avg/Max BWPD): <u>3000/7500</u> Protectable Waters? <u>UNK</u> Source: <u>UNK</u> System: Closed ☒ or Open ☐									
HC Potential: Producing Interval? <u>Yes</u> Formerly Producing? <u>No</u> Method: Logs/DST/P&A/Other <u>Notes</u> 2-Mile Radius Pool Map ☒									
AOR Wells: 1/2-M Radius Map? <u>Yes</u> Well List? <u>Yes</u> Total No. Wells Penetrating Interval: <u>6</u> Horizontals? <u>No</u>									
Penetrating Wells: No. Active Wells <u>5</u> Num Repairs? <u>0</u> on which well(s)? <u>Core T&A well</u> Diagrams? <u>Yes</u>									
Penetrating Wells: No. P&A Wells <u>1</u> Num Repairs? <u>0</u> on which well(s)? <u>—</u> Diagrams? <u>Yes</u>									
NOTICE: Newspaper Date <u>8/20/2014</u> Mineral Owner <u>NMSLO</u> Surface Owner <u>NMSLO</u> N. Date <u>9/29/14</u>									
RULE 26.7(A): Identified Tracts? <u>Yes</u> Affected Persons: <u>36 parties identified</u> <u>trust / oil companies / independents</u> <u>use tech</u> N. Date <u>9/29/14</u>									

Order Conditions: Issues: HC potential; no sample of formation; add 50' depth to new
Add Order Cond: top of interval — 4200'; swab test; water sample. Proposed top of 4150'

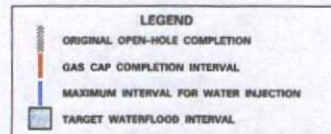
T 19 S



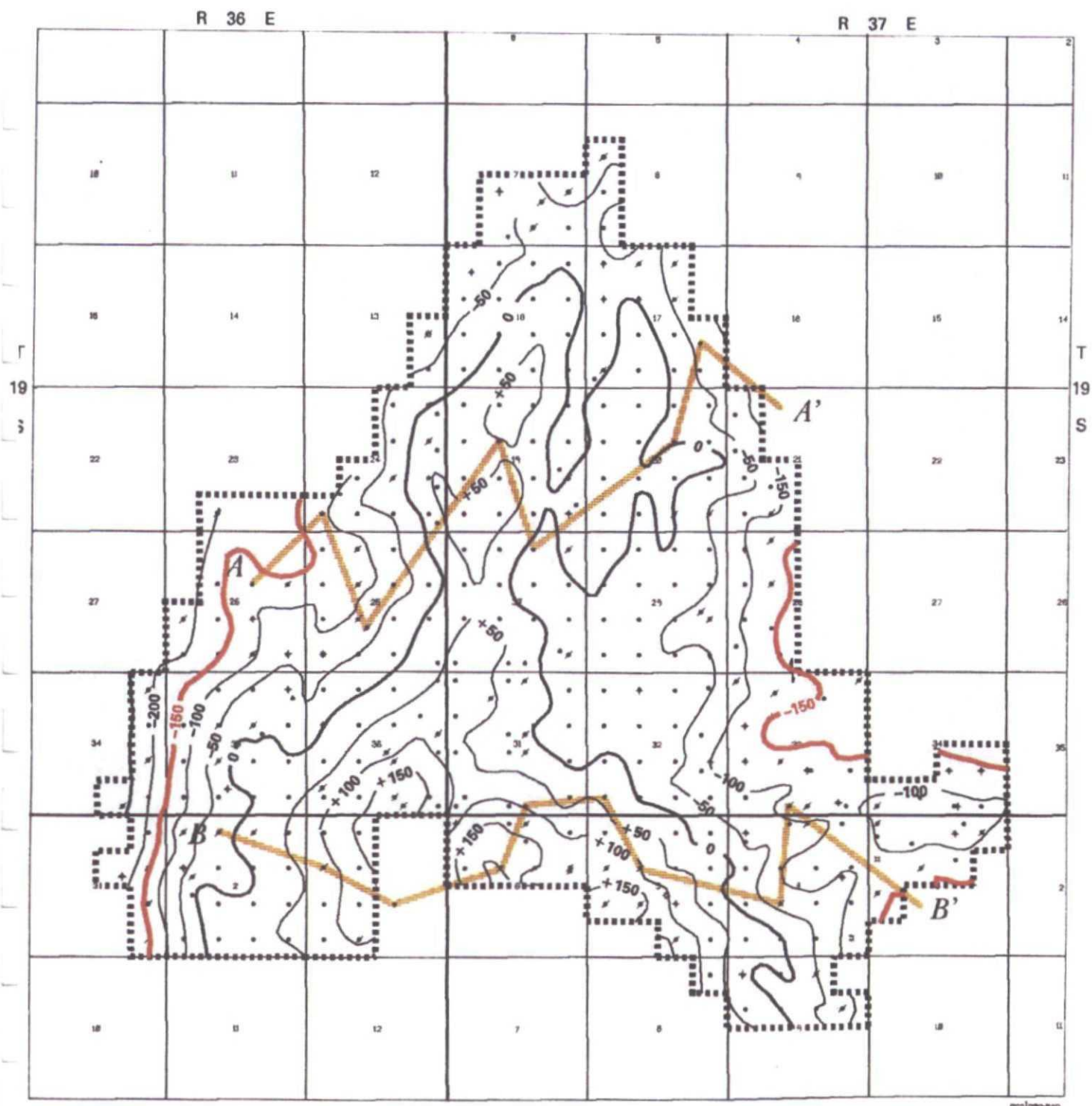
STRUCTURAL ELEVATION, FEET



AMERADA HESS CORPORATION
NORTH MONUMENT GRAYBURG/
SAN ANDRES UNIT
USA COUNTY, NEW MEXICO
STRUCTURAL CROSS SECTION ILLUSTRATING
TARGET INJECTION INTERVAL



AMERADA HESS CORPORATION
10253



LEGEND

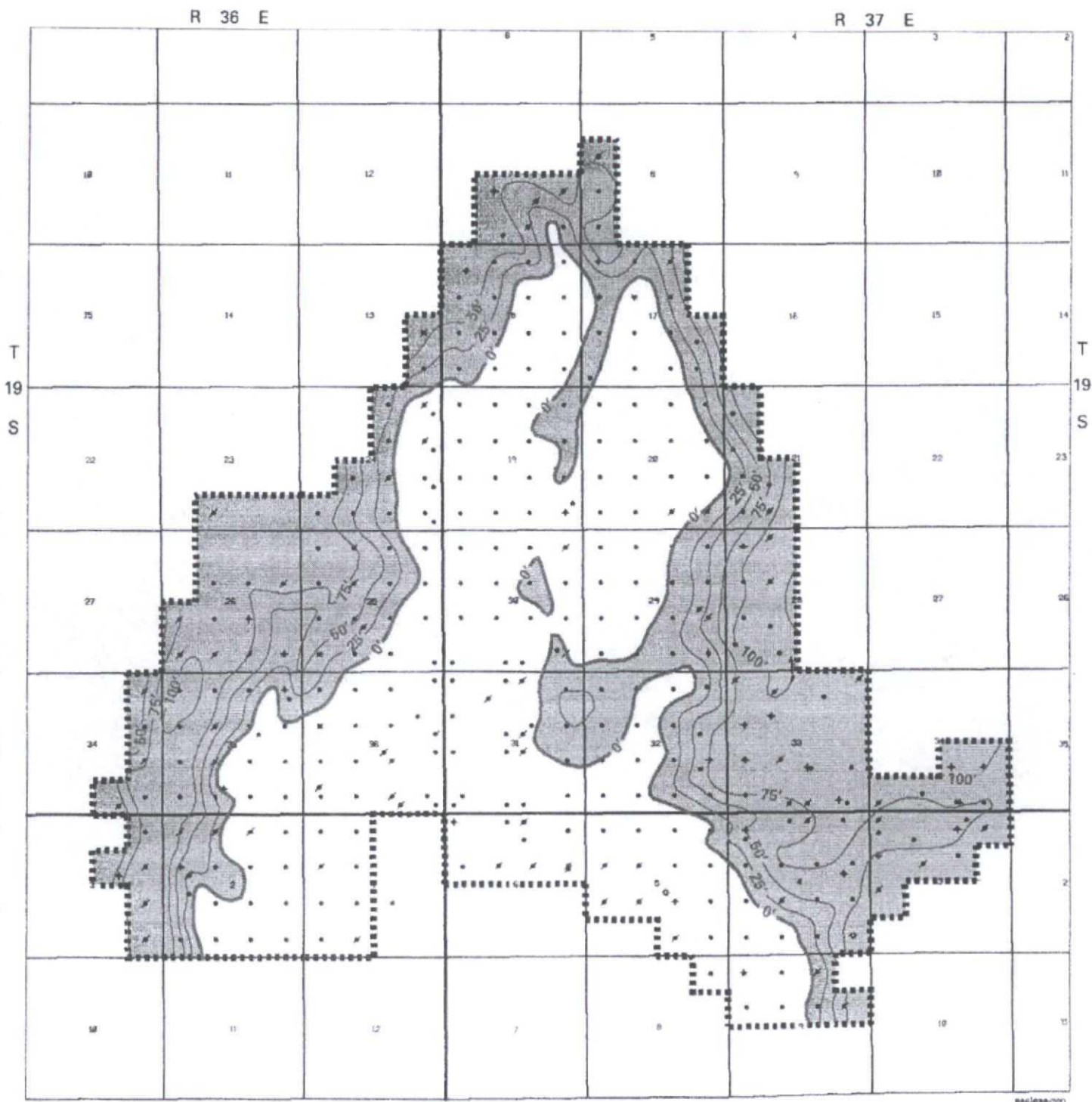
•	OIL WELL
⊕	GAS WELL
X	TEMPORARILY ABANDONED
+	PLUGGED & ABANDONED
----	PROPOSED NORTH MONUMENT GRAYBURG / SAN ANDRES UNIT
—	OGOC = -150 CONTOUR
—	CROSS-SECTION

STRUCTURE OF GRAYBURG ZONE 1

NORTH MONUMENT GRAYBURG /
SAN ANDRES UNIT AREA
Lea County, New Mexico
AMERADIA HESS CORPORATION



FIGURE 6



LEGEND

•	OIL WELL
○	GAS WELL
×	TEMPORARILY ABANDONED
+	PLUGGED & ABANDONED
-----	PROPOSED NORTH MONUMENT GRAYBURG / SAN ANDRES UNIT
	OIL COLUMN

GROSS THICKNESS OF GRAYBURG ZONE 2 IN OIL COLUMN

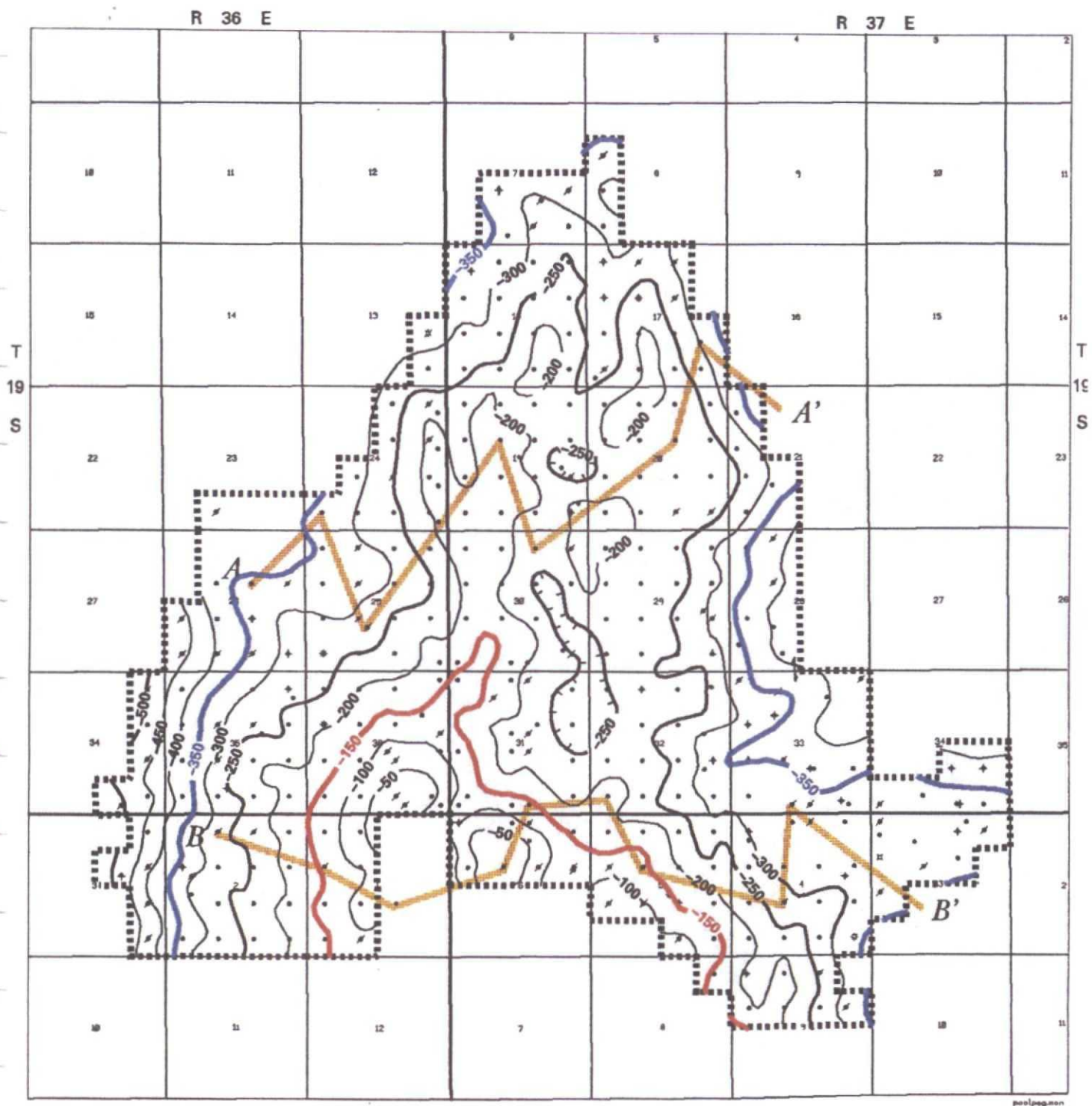
NORTH MONUMENT GRAYBURG /
SAN ANDRES UNIT AREA

Lea County, New Mexico

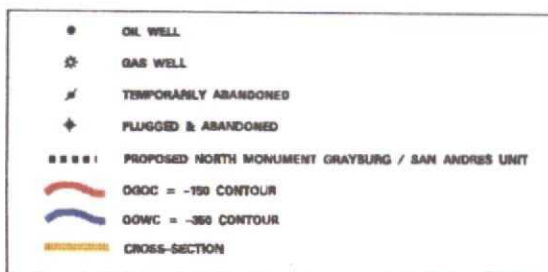
AMERRORA HEGG CORPORATION



FIGURE 12



LEGEND



STRUCTURE OF GRAYBURG ZONE 3C

NORTH MONUMENT GRAYBURG /
SAN ANDRES UNIT AREA
Lea County, New Mexico
AMERRADA HESS CORPORATION



FIGURE 7

FIELD ENGR: LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well Tidewater Oil CompanyStreet and Number P. O. Box 249City Hobbs State New MexicoWell was drilled under Permit No. L-5569 and is located in the
SE 1/4 SE 1/4 SE 1/4 of Section 35 Twp. 19S Rge. 37E(B) Drilling Contractor Leatherwood Drig. Co. License No. _____Street and Number P. O. Drawer NCity Kermit State TexasDrilling was commenced February 19 19 66Drilling was completed March 9 19 66

(Plat of 640 acres)

Elevation at top of casing in feet above sea level 3590 Total depth of well 5200State whether well is shallow or artesian Neither Depth to water upon completion 1008'

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	4251	4479	228	San Andres dolomite
2	4580	4755	175	ditto
3	4956	5186	230	ditto
4				
5				

Section 3

Grade

RECORD OF CASING

Dia. in.	Pounds ft.	Grade in.	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
9-5/8	36	J-55	Surface	368	368	Guide Shoe	Not perforated	
7	23	J-55	Surface	5198	5198	Float Shoe	4251	5186 Overall

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
0	368	12-1/4"	-	210	Dowell cemented 9-5/8" surface casing & circulated cement to surface.
0	5198	8-3/4"	-	1410	Dowell cemented 7" casing. Top cement by temp. survey was 700' down from surface.

Section 5

PLUGGING RECORD

Name of Plugging Contractor _____

License No. _____

Street and Number _____ City _____

State _____

Tons of Clay used _____ Tons of Roughage used _____ Type of roughage _____

Plugging method used _____ Date Plugged _____ 19 _____

Plugging approved by: _____

Cement Plugs were placed as follows:

Basin Supervisor _____

FOR USE OF STATE ENGINEER ONLY

Date Received 1966 JUL -7 AM 8:28

File No. L-5569 Use SR0 Location No. 19.37.35.444

No.	Depth of Plug		No. of Sacks Used
	From	To	

LOG OF WELL

LS Elev _____
Depth to K _____ Trc _____
Elev of K _____ Trc _____

TIDEWATER OIL COMPANY

Area Engineer