

BEFORE THE NEW MEXICO OIL CONSERVATION DIVISION

RECEIVED OCD

2011 AUG 29 P 12: 51

**APPLICATION OF BASIC ENERGY
SERVICES, L.P. FOR APPROVAL OF
A SALT WATER DISPOSAL WELL,
EDDY COUNTY, NEW MEXICO.**

Case No. 14737

APPLICATION FOR SALT WATER DISPOSAL

Basic Energy Services, L.P., by and through its undersigned attorney, applies for an order approving a salt water disposal well, and in support thereof, states:

1. Applicant proposes to convert to salt water disposal the F.M. Robinson Fed. Com. Well No. 1 located 1825 feet from the south line, 2235 feet from the west line of Section 27, Township 17 South, Range 29 East, N.M.P.M., Eddy County, New Mexico.

2. Applicant proposes to set a packer at 9,065 feet below the surface of the earth and the inject into the following zones below the packer:

Cisco--9,020 feet to 10,016 feet (perforated);
Strawn--10,016 feet to 10,284 feet (perforated);
Atoka--10,284 feet to 11,080 feet (perforated);
Devonian--11,080 feet to the base of the Devonian at an undetermined depth (open hole);
Silurian--underdetermined top of the Silurian to a depth of 12,065 feet (open hole).

3. A form C-108 for the well is attached hereto as Exhibit A.

4. The granting of this application will prevent waste and protect correlative rights.

WHEREFORE, Applicant requests that, after notice and hearing, the Division enter its order approving this application.

Respectfully submitted,

PADILLA LAW FIRM, P.A.

A handwritten signature in cursive script, appearing to read "Ernest L. Padilla", is displayed within a rectangular area with a stippled or textured background.

ERNEST L. PADILLA,
Attorney for Basic Energy Services, L. P.
PO Box 2523
Santa Fe, New Mexico 87504
505-988-7577

PADILLA LAW FIRM, P.A.

STREET ADDRESS

1512 S. ST. FRANCIS DRIVE

SANTA FE, NM 87505

MAILING ADDRESS

P.O. BOX 2523

SANTA FE, NEW MEXICO 87504-2523

EMAIL ADDRESS

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TELEPHONE
505-988-7577

FACSIMILE
505-988-7592

August 29, 2011

HAND-DELIVERY

Florene Davidson
Oil Conservation Division

Case 14737

RECEIVED OCD
2011 AUG 29 P 3:03

Re: Basic Energy Services, LP

Florene:

Enclosed is Exhibit A which should be attached to the Application previously submitted by email on behalf of Basic Energy Services, LP.

Please let me know if you need anything further.

Thank You!!

Sincerely,



Jo Ann B. Gallegos
Assistant to Ernest L. Padilla

Enclosures: as stated

xc: Basic Energy Services, LP

EXHIBIT

A

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: Secondary Recovery Pressure Maintenance XX Disposal Storage
Application qualifies for administrative approval? XX Yes No

II. OPERATOR: Basic Energy Services LP

ADDRESS: P. O. Box 10460 Midland Texas 79702

CONTACT PARTY: Lyn Sockwell PHONE: 432.620.5500

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 XX 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: DAVID ALVARADO

TITLE: SE NM DISTRICT FLUID MANAGER

SIGNATURE: David Alvarado

DATE: 6-26-11

E-MAIL ADDRESS: david.alvarado@basicenergyservices.com 575.746.2072

* 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: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised July 16, 2010

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code MORROW GAS	³ Pool Name GRAYBURG MORROW
⁴ Property Code	⁵ Property Name F.M. ROBINSON FED. COM.	⁶ Well Number 001
⁷ OGRID No.	⁸ Operator Name BASIC ENERGY	⁹ Elevation 3517

¹⁰ Surface Location

UL or lot no. K	Section 27	Township 17 South	Range 29 East	Lot Idn	Feet from the 1825	North/South line S	Feet from the 2235	East/West line W	County EDDY
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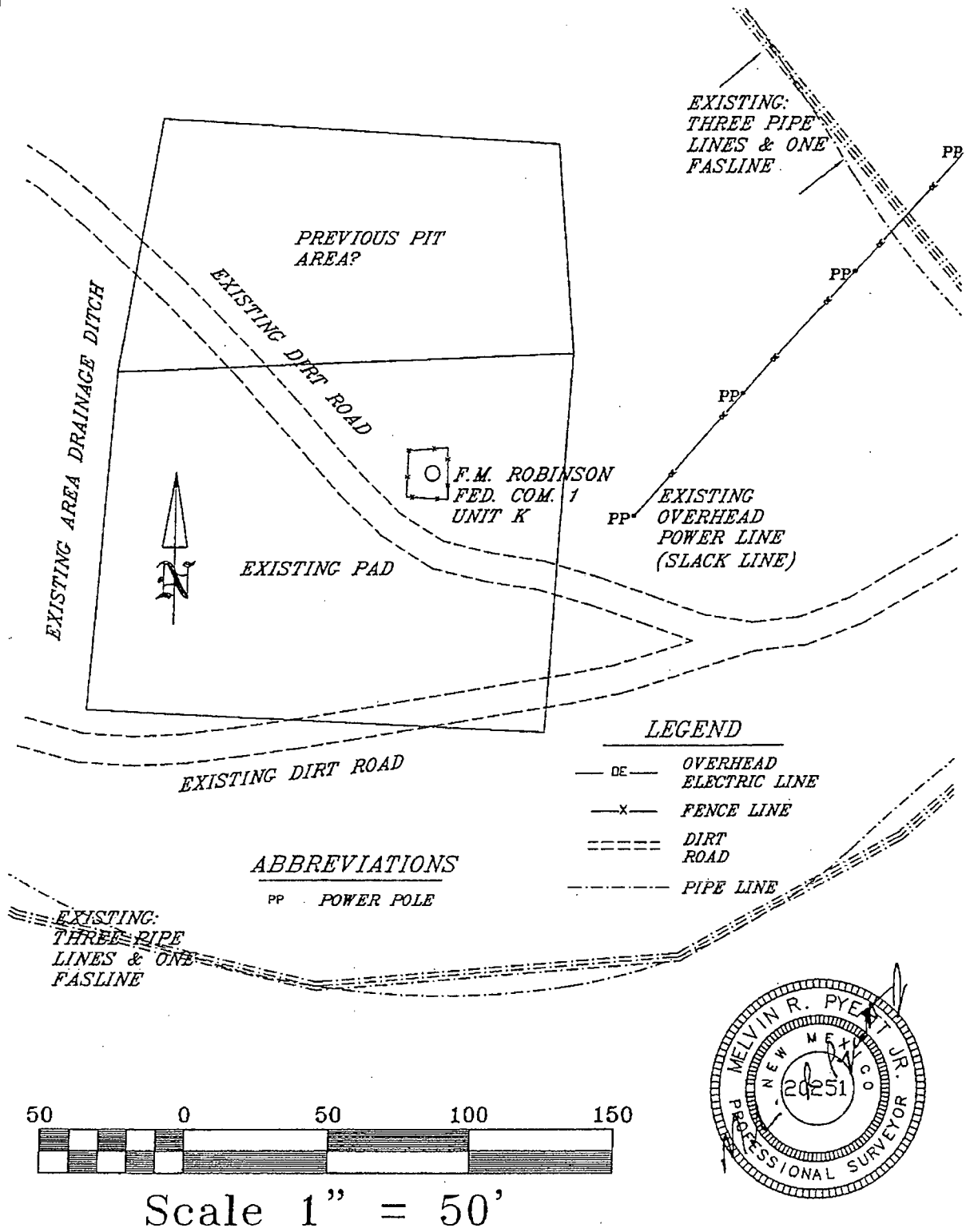
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ 	BASIS OF INFORMATION GPS OBSERVATIONS WGS 84 LAT. & LON. CONVERTED TO SPC (E) IN 83/88 DATUM	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
		Signature: <i>David H. Alvarez</i> Date: 6-6-11 Printed Name: David H. Alvarez
		E-mail Address:
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.	Date of Survey: 3/16/2011 Signature and Seal of Professional Surveyor: <i>M. R. Ryan</i> Certificate Number 20751	

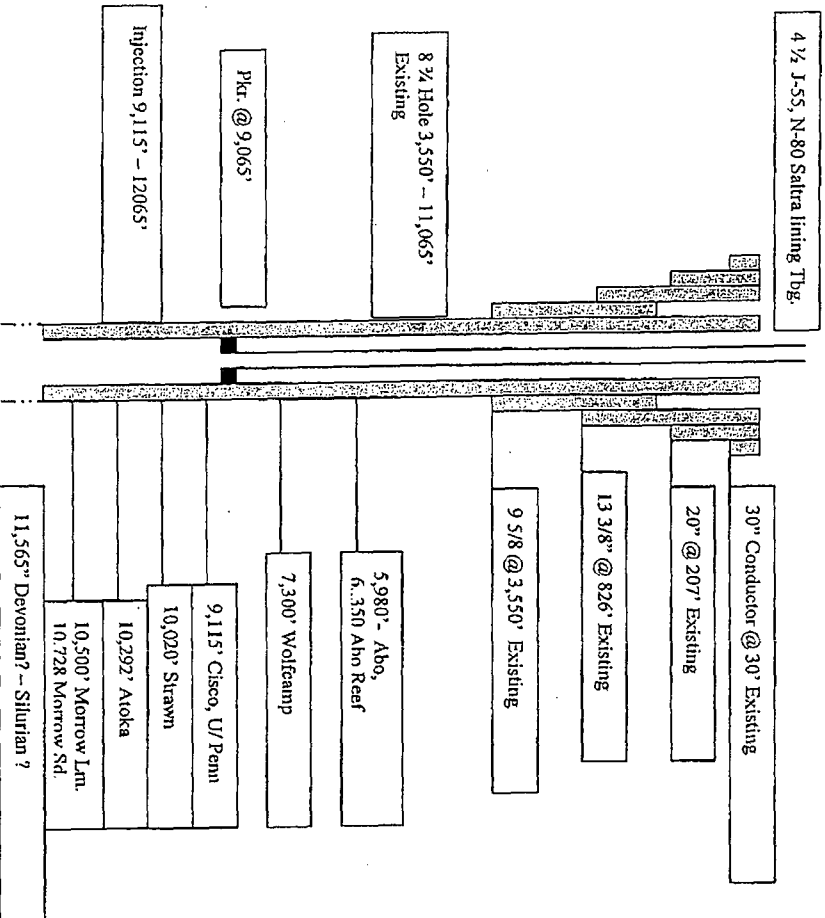
AS BUILT OF F.M. ROBINSON FED. COM. UNIT K PAD



INJECTION WELL DATA SHEET

OPERATOR: Basic Energy Services LPWELL NAME & NUMBER: F.M. Robinson Federal Com. # 1WELL LOCATION: 1825 ft from South line 2220 ft. from the West line K 27 17S 29EUNIT LETTER
SECTION TOWNSHIP
RANGEWELLBORE SCHEMATIC Please see attached sheet.

WELL CONSTRUCTION DATA



Surface Casing

Casing Size: 26"

Hole Size: 26"

Casing size: 13 3/8"

Cemented with: 300 sx.

or _____ ft³

Cemented with: 770 sx.

Top of Cement: Surface

Method Determined: Well Completion Records

Intermediate Casing

Casing Size: 9 5/8"

Hole Size: 12 1/4"

Cemented with: 1082 sx.

or _____ ft³

Top of Cement: N/A

Method Determined: N/A on records

Production Casing

Casing Size: 7" 26# 29 # N-80 L-80 LT&C

Hole Size: 8 3/4"

Cemented with: 1875 - H. 650 - C sx.

or _____ ft³

Top of Cement: Surface circulated

Method Determined: CBL

Injection Interval

est. 7,650 feet To est. 10,292' ft

est. 11,565 feet To est. 12,100 ft or btm. of Silurian

Perforated

(Perforated or Open Hole; indicate which) Perforated above Woodford, Open hole in Devonian - Silurian

Total Depth: Tie in base of Woodford if Devonian is not explored then 7" will be tied at 11065 feet.

INJECTION WELL DATA SHEET

Tubing Size: 4 1/2 J-55, N-80 Lining Material: Salta lining

Type of Packer: 7" stainless steel nickel plated w/ profile nipple & on / off tool Arrow set

Packer Setting Depth: 7550' with contingency plug back plan and 11,465' with Devonian / Silurian plan

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes ☒ No ☐

If no, for what purpose was the well originally drilled? Production: ☐ Gas well ☐

2. Name of the Injection Formation: Abu Reef, Wolf Camp, Cisco, Strawn, Atoka, Devonian- Silurian
3. Name of Field or Pool (if applicable): N / A
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.
 Perf 4-1/2" holes @ 3524-3525' w/cmt. retainer @ 3480' pump 150 sx Cl C
 Perf 4- 1/2" holes @ 3300 - 3301 w/cmt. retainer @ 3258' pump 932 sx Cl C
 Deferential Pressures indicated Cmt. approx. 450' from surface. Per drilling report.
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Seven Rivers, Queen, Glorieta, San Andres, Yeso, produce in this Quarter-Quarter

BASiC Energy Services LP
F.M. Robinson Federal Com. #1
API # 3001522238
1825 FSL, 2220FWL,
Unit K, Section 27, T17S, R29E

Well Data III

Casing Program:

Hole Size	Interval	OD Casing	Weight	Grade	Joint Condition	Jt	Existing
	0' - 30' Conductor	30"				Ready mix to Surface	Existing
26"	0' - 207'	20"	94 #	K-55	ST&C / New	300 sx to Surface	Existing
17 1/2"	0' - 826'	13 3/8"	54 1/2#	K-55	ST&C / New	770 sx to Surface	Existing
12 1/4"	0' - 3,550'	9 5/8"	40#	K-55	ST&C / New	1,082 sx to 450' / Surface?	Existing
8 3/4"	0' - 3,000'	7"	26#	N-80	LT&C / New		Proposed
8 3/4"	3,000 - 9,000'	7"	26#	L-80	LT&C / New		Proposed
8 3/4"	9,000' - 11,230'	7"	29#	L-80	LT&C / New	2,525 sx to surface	Proposed

If Geologist shows good porous rock below the Woodford 7" 29# L80 LT&C will be tied into its base. DV tools will be placed at 7500 ft and 5000 ft.

Injection Intervals

Formation	Interval	To	Perforated		Open Hole		
Woodford	9,020' - 10,016'	10,016'	X				
Cisco	9,020'	10,016'	X				
Strawn	10,016'	10,284'	X				
Atoka	10,284'	11,080'	X				
Devonian	11,080'	?			X		
Silurian	?	12,065'			X		

BASiC Energy Services LP
F.M. Robinson Federal Com. #1
API # 3001522238
1825 FSL, 2220 FWL,
Unit K, Section 27, T17S, R29E

Well History 1977

10/29/1977 spud 20 inch hole ran 20" 94# K-55 casing to 207 ft. Csg. Cemented to surface with 300 sacks circulated 50 sxs.
Continued to drill 17 1/2 inch hole to 826 feet ran 13 3/8 54 1/2 # K-55 casing to 826 feet. Cemented with 770 sacks circulated to surface.
Continued to drill 12 1/4 inch hole to 3550 feet ran 9 5/8 40# K-55 casing cemented with 1082 sacks.
Continued to drill 8 3/4 hole to 11065 feet 0 0# casing.

Drilling Brk. 6356-6413'

DST 6355-6415, Op 75", R/4318' Sli, Gc, Sul, Wtr. , (SC R/ 2480cc of Sul. Wtr) 60" / 2005. FP /825 - 2005, 90" / 2005.

Drilling Brake / 7294-7312 feet.

DST 7295-7340, Op 135", R/15' Oil, 2882' XW, (11,700ppm)(SC R/.8CFG,1880cc of Wtr.) 60" / 2595, FP / 135-1290, 240" / Failed.

DST10758-11,065, Op 75", R/436' DM, 60" / 597, FP / 382-370, 90" / 509, HP / 5452 - 5452.

SP- DST 8710-8800, Op 75", R/ 10' oil, Gty /40, 390' O&GCM, (SC R/ 3.13 CFG , 180cc of Oil & 560cc of mud.), 60"/ 3144, FP / 62-125, 180" / 2751, HP / 4261-4261

No production string was run in the hole five plugs were placed coming out of the hole:

10790-10590' 75 sx 12/11/1977

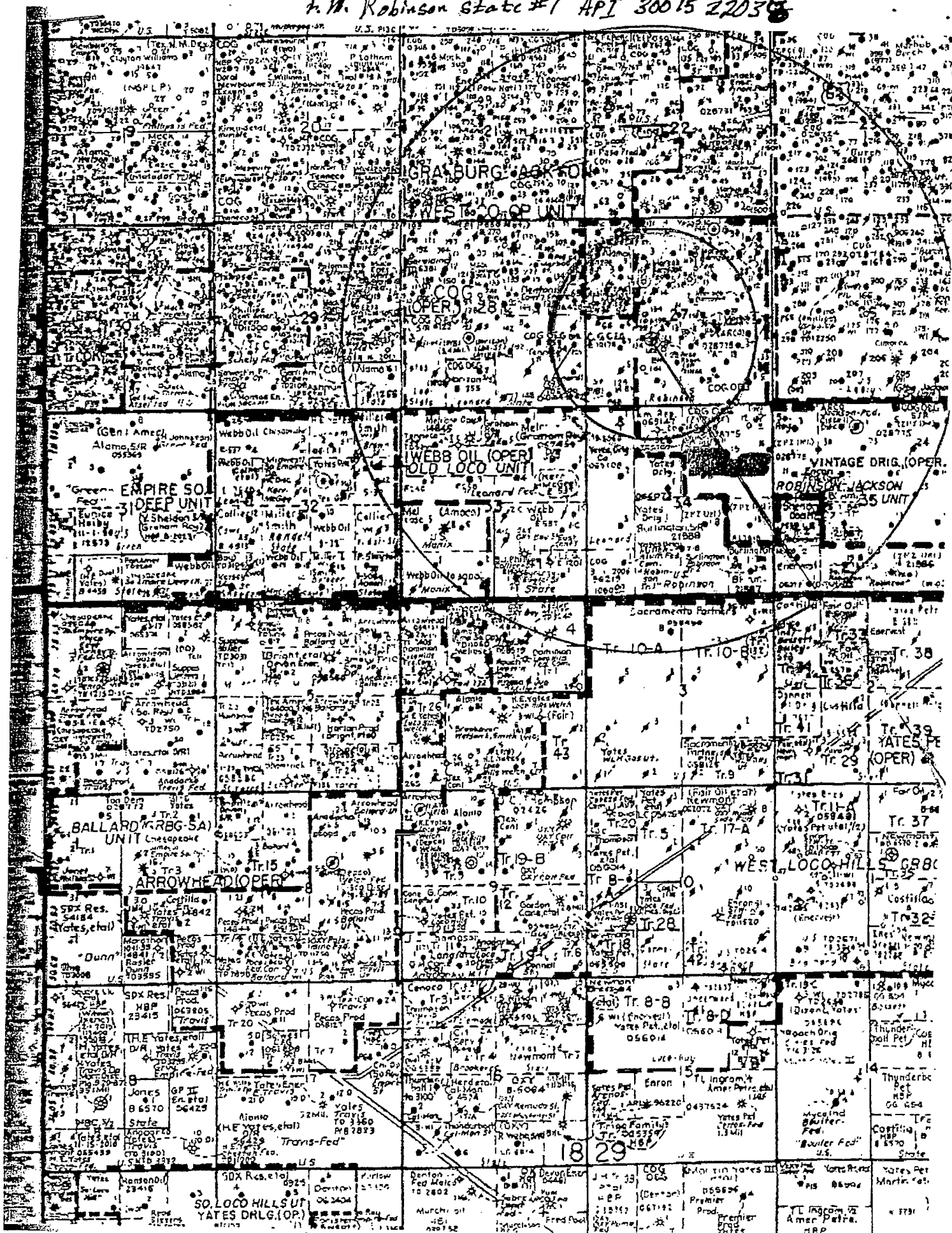
9120-8920' 75 sx 12/11/1977

7285-7135' 55 sx 12/11/1977

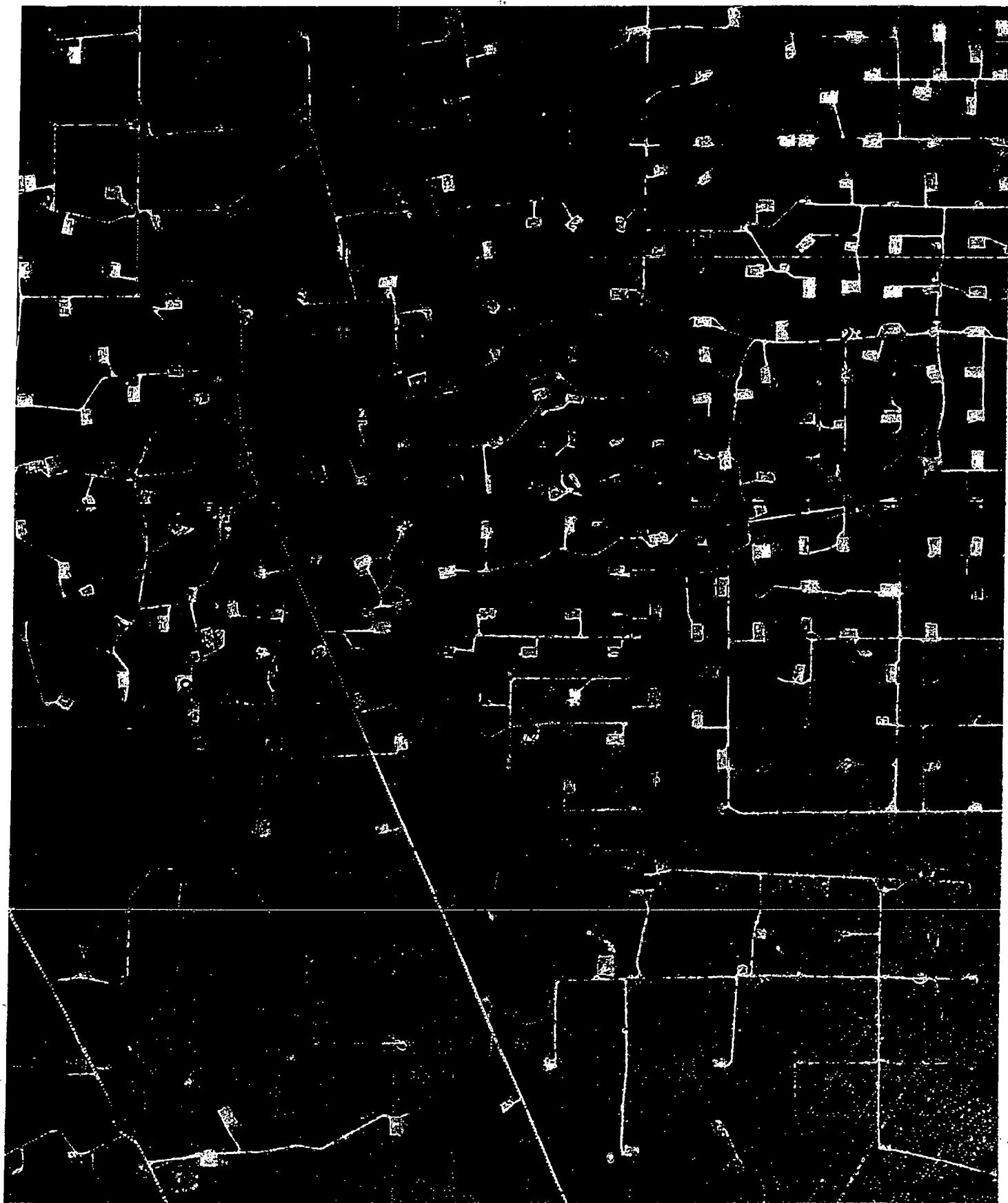
5400-5250' 55 sx 12/11/1977

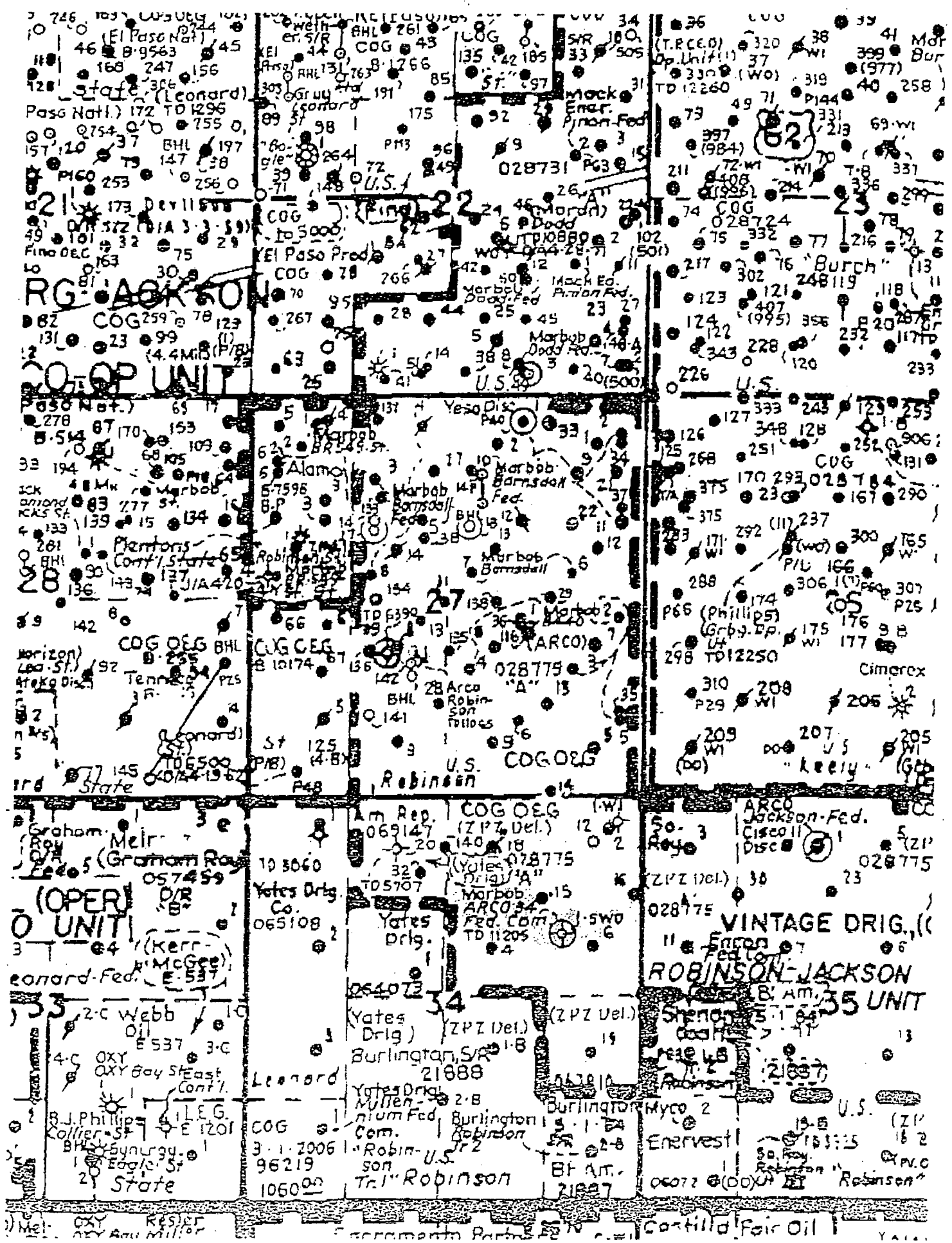
3590-3490' 40 sx 12/11/1977

Surface plug 10 sx 12/11/1977



*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.





Met. OXY Resistor
OXY Resistor
Castilla Fair Oil

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYNMOCC COPY
SUBMIT IN DUPLICATE

(See instructions on reverse side)

Form approved.
Budget Bureau No. 42-R336.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____		5. LEASE DESIGNATION AND SERIAL NO. LC-028775B	
b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. DESYN. ☐ Other P&A		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Atlantic Richfield Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240		8. FARM OR LEASE NAME F. M. Robinson Fed Com	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1825' FSL & 2220' as above At top prod. interval reported below as above At total depth as above		9. WELL NO. 1	
14. PERMIT NO. O. C. C. OFFICE		DATE ISSUED JAN 13 1978	
15. DATE SPUNDED 10/29/77		16. DATE T.D. REACHED 12/7/77	
17. WELL COMPLETION (Ready to prod.) Dry hole - P&A		18. ELEVATIONS (DP, REB, RT, GR, ETC.) 3527' GR	
19. ELEV. CASINGHEAD		20. FIELD AND POOL, OR WILDCAT Grayburg Morrow	
21. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA 27-17S-29E		22. COUNTY OR PARISH Eddy	
23. STATE N.M.		24. WAS DIRECTIONAL SURVEY MADE No	
25. TYPE ELECTRIC AND OTHER LOGS RUN CNL-Den, DLL w/RXO, BHC Sonic logs		26. WAS WELL COBED No	
27. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
20" OD	94# K-55	203'	26"
13-3/8" OD	54.5# K-55	825'	17 1/2"
9-5/8" OD	40# K-55	3535'	12 1/4"
No production csg run			
28. CEMENTING RECORD			
AMOUNT PULLED			
None			
None			
None			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)			
None			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
Dry Hole		WELL STATUS (Producing or shut-in) P&A - Dry	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY Dean McDaniel	
35. LIST OF ATTACHMENTS Logs as listed in item 26 above, DST & Inclination Report			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED 		TITLE Dist. Dirg. Supt.	
		DATE 1/12/78	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 23, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 34.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Stacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CURED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS		
FORMATION	TOP		NAME	TOP	
	6355'	6415'		MEAS. DEPTH	TRUE VERT. DEPTH
Abo			Abo		6118'
			Wolfcamp		7210'
			Cisco		9020'
			Strawn		10016'
			Atoka		10284'
			Morrow		11690'
			Mississippian		11004'
	DST #1. TO w/strong blow, cont'd thruout no gas to surf. Closed tool 8:07 am for 1 hr ISIP. Reop tool @ 9:10 am for 1 hr flow period, op w/good blow, decr to 0. No gas to surf. Closed tool @ 9:10 am for 1 1/2 hr SIP. Rec 4318' 8.6# gel slightly gas cut sulphur wtr. IHP 2871, IFP 825-1691, ISIP 2005, FFP 1741-2005, FSIP 2005, FHP 2858, resumed drlg @ 8:00 pm 11/19/77. Fin drlg to 7340' @ 2:10 pm 11/22/77.				
Wolfcamp	7295'	7340'	DST #2. TO @ 5:25 am 11/23/77 for 1/2 hr preflow. Op tool w/weak blow, incr to good blow. No gas to surf. Closed tool @ 5:40 am for 1 hr SI. Reop tool @ 6:40 am. TO w/weak blow, incr to good blow. No gas to surf. Shut tool @ 8:40 am for 4 hr FSI. Rec 15' oil & 2882' salt wtr. No FSIP. IHP 3335, IFP 135-236, ISIP 2595, FFP 273-1290, FSIP, no record. FHP 3335.		

(cont'd on attached page #2.)

Form 9-330
F. M. Robinson Fed Com #1
1/12/78

<u>Formation</u>	<u>Top</u>	<u>Bottom</u>	<u>Description</u>
Morrow	11,080'	10,758'	DST #3. TO @ 10:40 am 12/9/77 for 15 min IFP, fair blow. Closed tool @ 10:55 am for 1½ hr FSIP. Rel pkr @ 2:30 pm. Rec 436' DM, Temp 155°. IHP 5452, IFP 382-319, ISIP 597, FFP 306-370, FSIP 509, FHP 5452.
Wolfcamp	8710'	8800'	DST #4. Set straddle pkrs. TO @ 7:03 am 12/10/77 for 15 min IFP, fair blow in 2 mins. Closed tool @ 7:18 am for 1 hr SIP 5-10# max. TO @ 8:18 am for 1 hr FFP. Closed tool @ 9:18 am for 3 hr FSIP. Rel pkrs @ 12:58 pm & POH. Rec 10' oil, 40.2° @ 60° & 390' oil & gas cut drlg mud (5% oil, 40% gas). Temp 132°. IHP 4261, IFP 36-62, ISIP 3144, FFP 74-125, FSIP 2751, FHP 4261.

NMOCC COPY

WELL NAME AND NUMBER F. 1 Robinson Com. #1

LOCATION 1825' FSL & 2220' FWL Section 27, T-17-S, R-29-E
(Give Unit, Section, Township and Range)

RECEIVED

JAN 13 1978

OPERATOR Atlantic Richfield Company

DRILLING CONTRACTOR McVay Drilling Company

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
<u>1/2° 110</u>	<u>3/4° 3750</u>	<u>1/2° 8264</u>
<u>1° 207</u>	<u>1 1/4° 4050</u>	<u>3/4° 8554</u>
<u>1/2° 363</u>	<u>1° 4344</u>	<u>3/4° 8852</u>
<u>1/2° 598</u>	<u>1° 4658</u>	<u>1 3/4° 9450</u>
<u>1° 725</u>	<u>1 1/4° 4879</u>	<u>1 1/4° 9830</u>
<u>1 3/4° 826</u>	<u>1° 5193</u>	<u>1/4° 10,120</u>
<u>1° 1065</u>	<u>1 1/2° 5538</u>	<u>3/4° 11,050</u>
<u>1 1/4° 1254</u>	<u>1 1/2° 5822</u>	
<u>3/4° 1784</u>	<u>1 1/4° 6134</u>	
<u>3/4° 2095</u>	<u>1 1/2° 6415</u>	
<u>3/4° 2313</u>	<u>1° 6730</u>	
<u>3/4° 2594</u>	<u>3/4° 7044</u>	
<u>3/4° 2873</u>	<u>3/4° 7340</u>	
<u>3/4° 3165</u>	<u>1° 7640</u>	
<u>3/4° 3543</u>	<u>1/2° 7952</u>	

Drilling Contractor McVay Drilling Company

By: Jim McVay

Subscribed and sworn to before me this 22 day of December, 1977

Alta E. James
Notary Public

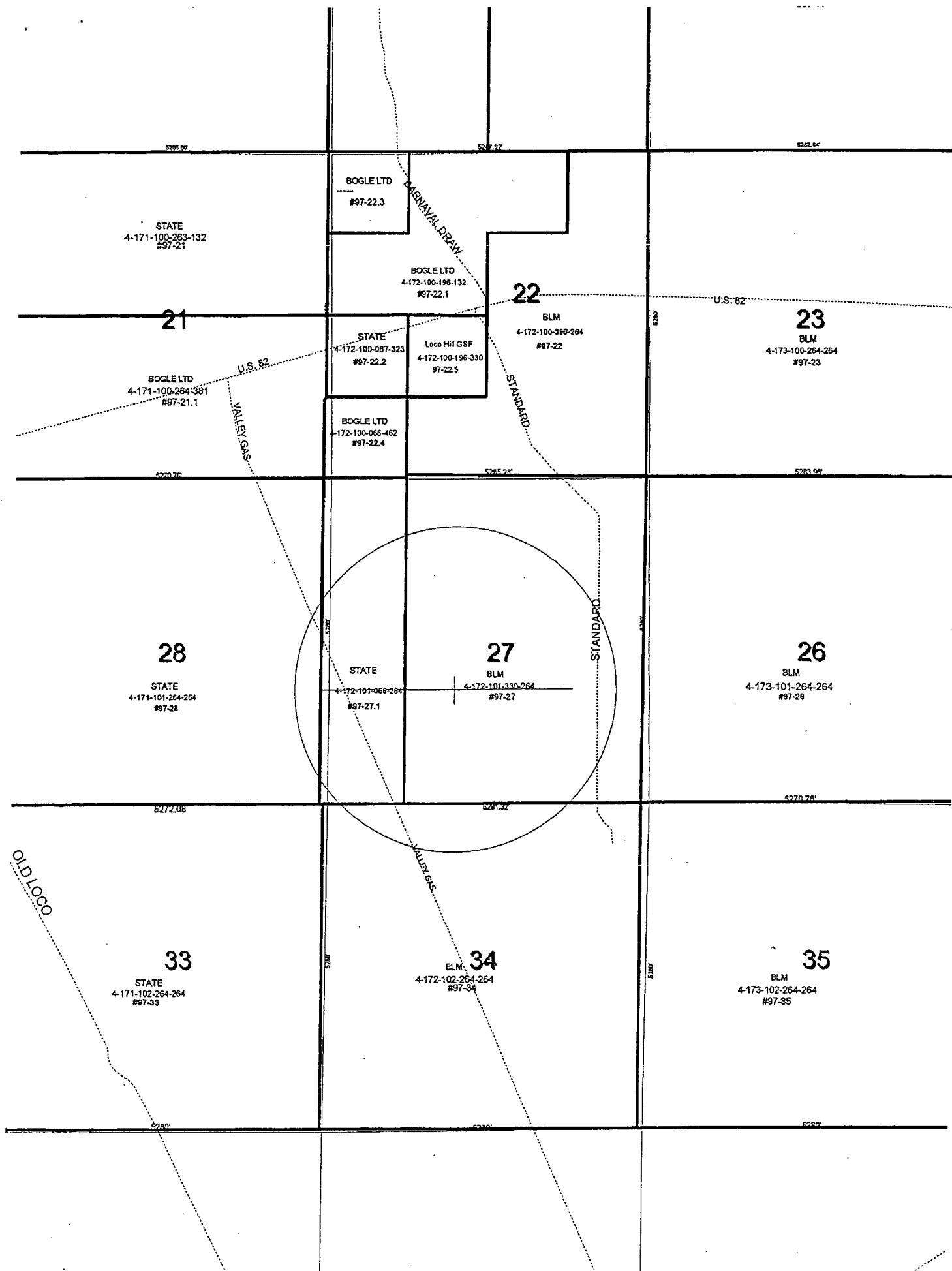
My Commission Expires: August 15, 1981

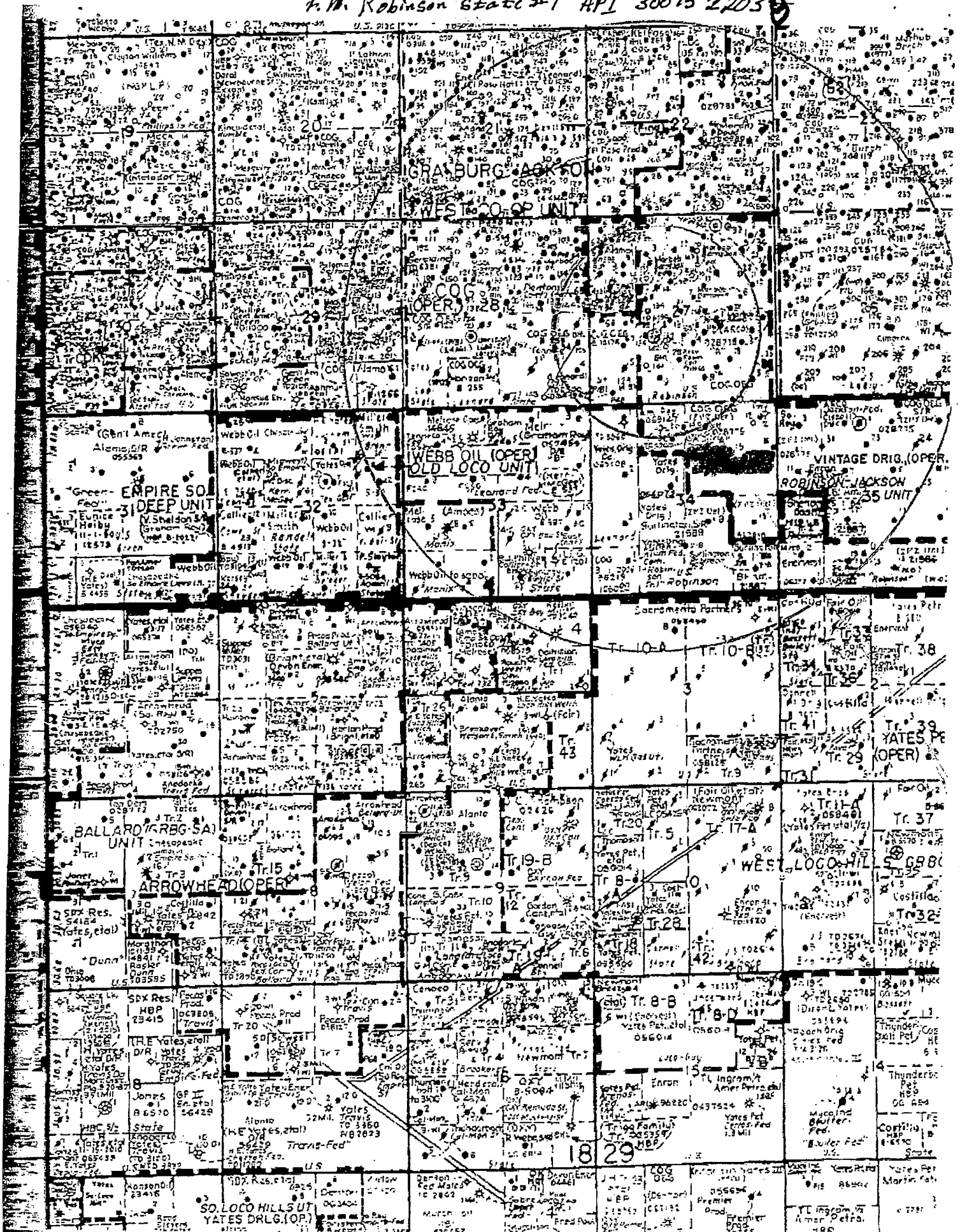
Lea County New Mexico

Half Mile Radius wells from F.M.Robinson Fed Com #1 API # 3001522238

Order #	Company	API #	Well Name	County	Locality	Legal's	TD	PBTD	Csg. Inter.	Perf Depth Interval
18	PRE ONGARD	3001503761	PRE-ONGARD WELL No. 020	EDDY	660 FNL & 1980 FNL	C-34-17S-29E	3788'	3103'	SA	2450'-3103'
19	OUTHAND ROYALT	3001503035	G J WEST COOP UNIT No. 042	EDDY	660 FNL & 1980 FNL	B-22-17S-29E			GB*	
20	COG	3001534977	RJ UNIT No. 140	EDDY	660 FNL & 2630 FNL	B-34-17S-29E	3615'	3584'	SA	2868'-3341'
28	YATES PET.	3001503769	LEONARD No. 001	EDDY	330 FNL & 990 FNL	D-34-17S-29E			GB*	
29	PRE ONGARD	3001503768	n/a	EDDY	n/a	n/a			GB*	
32	COG	3001503163	G J WEST COOP UNIT No. 125	EDDY	330 FSL & 660 FNL	M-27-17S-29E	8515'	6470'	ABO	2854'-2995' SA
33	COG	3001503150	RJ UNIT No. 120	EDDY	25 FSL & 1295 FEL	P-27-17S-29E			GB*	
36	MACK ENERGY	3001506103	G J WEST COOP UNIT No. 005	EDDY	990 FSL & 990 FNL	M-27-17S-29E			GB*	
37	COG	3001537140	RJ UNIT No. 141	EDDY	1090 FSL & 1573 FNL	N-27-17S-29E			GB*	
38	OUTHAND ROYALT	3001503147	RJ UNIT No. 009	EDDY	660 FSL & 1980 FNL	N-27-17S-29E			GB*	
39	COG	3001503156	RJ UNIT No. 118	EDDY	N-27-17S-29E	A-33-17S-29E			GB*	
40	COG	3001537138	RJ UNIT No. 143	EDDY	564 FSL & 2630 FNL	N-27-17S-29E			GB*	
41	COG	3001503146	RJ UNIT No. 119	EDDY	660 FSL & 1980 FNL	O-27-17S-29E			GB*	
42	APACHE	3001503079	B 440 FEDERAL No. 006	EDDY	990 FSL & 1650 FEL	O-27-17S-29E	4900'	4877'	YESO	4277'-4668'
43	COG	3001535335	RJ UNIT No. 151	EDDY	845 FSL & 1360 FEL	O-27-17S-29E			GB*	
44	OUTHAND ROYALT	3001503149	RJ UNIT No. 013	EDDY	1345 FSL & 1345 FEL	J-27-17S-29E			GB*	
45	COG	3001503142	RJ UNIT No. 121	EDDY	660 FSL & 660 FEL	P-27-17S-29E			GB*	
46	COG	3001531128	RJ UNIT No. 122	EDDY	1120 FSL & 330 FEL	P-27-17S-29E	3680'	3609'	SA	3192'-3545'
47	APACHE	3001530755	B 440 FEDERAL No. 005	EDDY	990 FSL & 330 FEL	P-27-17S-29E	4819'	4803'	YESO	4291'-4598'
58	COG	3001503166	G J WEST COOP UNIT No. 006	EDDY	2310 FSL & 990 FNL	L-27-17S-29E	5205'	4505'	YESO	3106'-4229'
59	COG	3001525429	G J WEST COOP UNIT No. 067	EDDY	L-27-17S-29E	C-3-18S-28E	5084'	4400'	YESO	3289'-3846' SA -CIBP @ 4400 & 4680'
60	COG	3001534573	RJ UNIT No. 134	EDDY	2630 FSL & 1650 FNL	K-27-17S-29E	3610'	3589'	SA	2700'-3387.5'
61	COG	3001534975	RJ UNIT No. 136	EDDY	1980 FSL & 1650 FNL	K-27-17S-29E	3615'	3576'	SA	2672.5'-3382.5'
62	PRE ONGARD	3001503165	PRE-ONGARD WELL No. 032	EDDY	1980 FSL & 1830 FNL	K-27-17S-29E			GB*	
63	PRE ONGARD	3001503148	PRE-ONGARD WELL No. 008	EDDY	1980 FSL & 1980 FNL	K-27-17S-29E			GB*	
64	SIC ENERGY SERVICE	3001522238	PRE-ONGARD WELL No. 001	EDDY	1825 FSL & 2220 FNL	K-27-17S-29E			GB*	
65	COG	3001537139	RJ UNIT No. 142	EDDY	1753 FSL & 2188 FNL	K-27-17S-29E			GB*	
66	APACHE	3001530209	BARNSDALL FEDERAL No. 013	EDDY	2310 FSL & 2310 FNL	K-27-17S-29E	4785'	4771'	YESO	4262'-4596'
67	COG	3001534580	RJ UNIT No. 135	EDDY	2030 FSL & 2580 FEL	J-27-17S-29E	3615'	3550'	SA	2696.5'-3405'
68	APACHE	3001530477	B 440 FEDERAL No. 004	EDDY	1650 FSL & 2310 FEL	J-27-17S-29E	4812'	4792'	YESO	4225'-4396'
69	COG	3001503145	RJ UNIT No. 115	EDDY	1980 FSL & 1980 FEL	J-27-17S-29E			GB*	
70	COG	3001534976	RJ UNIT No. 138	EDDY	2630 FSL & 1980 FEL	J-27-17S-29E	3610'	3592'	SA	2677.5'-3394'
71	APACHE	3001530393	B 440 FEDERAL No. 001	EDDY	2310 FSL & 1650 FEL	J-27-17S-29E	4750'	4730'	YESO	4563'-4245'
72	COG	3001530394	RJ UNIT No. 116	EDDY	2220 FSL & 1650 FEL	J-27-17S-29E	3622'	3564'	SA	3140'-3460'
73	COG	3001503157	RJ UNIT	EDDY	2615 FNL & 1295 FEL	H-27-17S-29E	29007'	27107'	GB*	
74	APACHE	3001530429	B 440 FEDERAL No. 003	EDDY	1650 FSL & 990 FEL	I-27-17S-29E	4806'	4795'	YESO	4209'-4436'
75	COG	3001503144	RJ UNIT No. 117	EDDY	1980 FSL & 660 FEL	I-27-17S-29E			GB*	
76	COG	3001525130	I-27-17S-29E	EDDY	2310 FSL & 330 FEL	L-27-17S-29E			GB*	
100	APACHE	3001537681	BARNSDALL FEDERAL No. 017	EDDY	1730 FNL & 1650 FNL	F-27-17S-29E			GB*	
101	APACHE	3001529342	BARNSDALL FEDERAL No. 008	EDDY	2310 FNL & 1650 FNL	F-27-17S-29E	4825'	4722'	YESO	4246'-4497'
102	COG	3001503177	RJ UNIT No. 107	EDDY	1980 FNL & 1980 FNL	F-27-17S-29E			GB*	
103	APACHE	3001529339	BARNSDALL FEDERAL No. 005	EDDY	1650 FNL & 2310 FNL	F-27-17S-29E	4695'	4640'	YESO	4048'-4465'
104	COG	3001531127	RJ UNIT No. 108	EDDY	1740 FNL & 2310 FNL	F-27-17S-29E			GB*	
105	COG	3001534988	RJ UNIT No. 149	EDDY	1980 FNL & 2553 FNL	F-27-17S-29E			GB*	
106	APACHE	3001537343	BERLE BOR STATE COM No. 001	EDDY	2950 FNL & 2150 FNL	O-4-16S-29E			GB*	
107	APACHE	3001529341	BARNSDALL FEDERAL No. 007	EDDY	2310 FNL & 2310 FEL	G-27-17S-29E	5600'	5403'	ABO	4141'-4474' Yeso
108	COG	3001503152	RJ UNIT No. 110	EDDY	1980 FNL & 1980 FEL	G-27-17S-29E			GB*	
109	APACHE	3001529974	BARNSDALL FEDERAL No. 012	EDDY	1650 FNL & 1650 FEL	G-27-17S-29E	4700'	4665'	YESO	4072'-4465'
111	APACHE	3001529340	BARNSDALL FEDERAL No. 006	EDDY	2310 FNL & 990 FEL	H-27-17S-29E	4700'	4670'	YESO	4123'-4493'

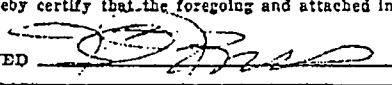
* ALL GRAYBURG JACKSON WELLS ARE ABOVE OUR 9 5/8" CASING SHOE AT 3550'





UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYNMOCC COPY
SUBMIT IN DUPLICATE(See instructions on
reverse side)Form approved.
Budget Bureau No. 42-R358.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other _____		5. LEASE DESIGNATION AND SERIAL NO. LC-028775B	
1b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other P&A		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Atlantic Richfield Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1710, Hobbs, New Mexico 88240		8. FARM OR LEASE NAME F. M. Robinson Fed Com	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1825' FSL & 2220' as above At top prod. interval reported below as above At total depth as above		9. WELL NO. 1	
14. PERMIT NO. D.C.C. OFFICE		10. FIELD AND POOL, OR WILDCAT Grayburg Morrow	
DATE ISSUED JAN 13 1978		11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA 27-17S-29E	
15. DATE SPUDDED 10/29/77		12. COUNTY OR PARISH Eddy	
16. DATE T.D. REACHED 12/7/77		13. STATE N.M.	
17. WELL STATUS (Ready to prod.) Dry hole - P&A		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3527' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 11,065'	
21. PLUG, BACK T.D., MD & TVD P&A		22. IF MULTIPLE COMPLET., HOW MANY*	
23. INTERVALS DRILLED BY →		24. ROTARY TOOLS 0-11,065'	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN CNL-Den, DLL w/RXO, BHC Sonic logs	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
29. CASING SIZE		WEIGHT, LB./FT.	
20" OD		94# K-55	
13-3/8" OD		54.5# K-55	
9-5/8" OD		40# K-55	
No production csg run			
30. LINER RECORD		31. TUBING RECORD	
SIZE		TOP (MD)	
BOTTOM (MD)		SACKS CEMENT*	
SCREEN (MD)		SIZE	
DEPTH SET (MD)		PACKER SET (MD)	
32. PERFORATION RECORD (Interval, size and number)		33. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
None		DEPTH INTERVAL (MD)	
		AMOUNT AND KIND OF MATERIAL USED	
34. PRODUCTION		35. TEST WITNESSED BY	
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
Dry Hole		WELL STATUS (Producing or shut-in) P&A - Dry	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE		OIL—BBL.	
GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)			
36. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY Dean McDaniel	
37. LIST OF ATTACHMENTS Logs as listed in item 26 above, DST & Inclination Report		38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	
SIGNED 		TITLE Dist. Dir. Supt.	
DATE 1/12/78			

* (See Instructions and Spaces for Additional Data on Reverse Side)

NE/435

COUNTY	EDDY, NEW MEXICO		FIELD	GRAYBURG (MORROW)	
OPR	ATLANTIC RICHFIELD COMPANY				
LSE	F.M. ROBINSON FEDERAL COM.				
LOC	Sec 27, T-17-S. R-29-E (K)		WELL NO.	1	
	1825 FSL & 2220 FWL of Sec.				
	(Orig. 1650 FSL & 1980 FWL of Sec.)				
UNIQUE NO.	30-015-22238				
MAFS					
F. R.	7-13-77	OBJ	11,300' RT	SPUD	10-29-77
CTR	McVey	LAHSE CLASS		CLLV IN P.	3543'
LOGS					
TD	11,065'	FBD		ADD LOC.	
				F & A	12-11-77
PAY ZONE	PROD INTERVAL	IP	DO	W	MRS
					CHK
					TEXT BASIS
PLUGGED AND ABANDONED					
CON	QTY	OP	IP	EST DATE	TREATMENT
CSG	20" - 203 - 800			9 3/8 - 3535 - 1	
	13 3/8 - 1825 - 770				

COUNTY	EDDY, NEW MEXICO		FIELD	GRAYBURG (MORROW)	
WELL	ATLANTIC RICHFIELD COMPANY F.M. ROBINSON FED COM				
DATE	WELL RECORD	REACHED		SPL LOGS	MARKERS
	TD 11,065'			Vates (830)	
	Orig. brk 6356-6413'			Z-Riv (1145)	
	DST 6355-6415, Op 75', R/4318' SL			Queen (1797)	
	GC Sol. Wtr., (SC R/2480cc of			San And (2540)	
	Sol. Wtr.) 60"/2005, FP/825-2005			Gler (4080)	
	90"/2005			Tubb (5072)	
	Drlg. Break 7294-7312			Abo (5980)	
	7324-33			Abo Reef (6350)	
	DST 7295-7340, Op 135", R/15' Oil			Wolfe (7300)	
	2882' KW, (11,700ppm) (SC R/.8CFG,			U/Penn Lm (9115)	
	1880cc of Wtr.) 60"/2595, FP/135			Strawn (10,020)	
	1290, 240"/Failed,			Atoka (10,292)	
	DST 10,758-11,065, Op 75', R/436'DM,			Morrow Lm (10,500)	
	60"/597, FP/382-370, 90"/509,			Morrow Sd (10,726)	
	HP/3452-5452,				
	SP-DST 8710-8800, Op 75", R/10' Oil, Gty/				
	40", 390'O&GCM, (SC R/3.13 CFG,				
	180cc of Oil & 560'cc of Mud.),				
	60"/3144, FP/62-125, 180"/2751,				
	HP/4261-4261.			(2-15-78)	

The Subsurface Library
P. O. Box 2538
Midland, Texas

Submit 3 Copies To Appropriate District Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO. 30-015-03163
Indicate Type of Lease STATE ☒ FEE ☐
State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name GJ West Coop Unit
8. Well 125
9. OGRID Number 229137
10. Pool name or Wildcat GJ; 7Rvs-Qn-GB-Glorieta-Yeso 97558

WELL LOCATION
Unit Letter M : 330 feet from the South line and 660 feet from the West line
Section 27 Township 17S Range 29E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3540' RKB

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mll Below-Grade Tank: Volume _____ bbls; Construction Material _____

SUNDY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
COG Operating LLC

3. Address of Operator
550 W. Texas Ave., Suite 1300 Midland, TX 79701

AUG 26 2008

OCD-ARTESIA

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING ☐ PLUG AND ABANDON ☐
CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: Addition Of Yeso Perfs ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

06-04-08 MIRU. POOH w/pump, rods & thg.
06-06-08 TIH & tag DV Tool @ 3894'. Drill out DV tool. Circ.clean.RIH to PBTD @ 6470'. Circ hole clean.
06-07-08 Perf @ 5790'-5990', 2 SPF, 48 holes.
06-09-08 RIH w/Pkr & set @ 5687'.
06-10-08 Acidize w/3500 gal 15% acid.
06-16-08 Release Pkr @ 5687' & POOH.
06-17-08 Perf @ 5510'-5710', 2 SPF, 36 holes. RIH w/RBP & set @ 5750'. RIH w/Pkr & set @ 5457'.
06-18-08 Acidize w/3000 gal 15% HCL.
06-24-08 Release Pkr @ 5457' & POOH. Release RBP @ 5750' & move to & set @ 5472'. RIH w/Pkr & set @ 5457'.
06-25-08 Perf @ 5440'-5240', 2 SPF, 36 holes.
06-26-08 Release Pkr @ 5457' & move to & reset @ 5138'. Acidize w/3500 gal 15% HCL.
07-01-08 Release Pkr @ 5138' & POOH. RIH w/RBP & set @ 4649'.
07-02-08 Perf @ 4316'-4590', 1 SPF, 33 holes. RIH w/Pkr & set @ 4225'. Pump 79 bbls acid & 38 bbls flush.
07-07-08 Release Pkr @ 4225' & POOH. RIH w/Pkr & set @ 4223'.

(SEE ATTACHMENT)

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) NMOCD District II Plan ☐.

SIGNATURE Carol Ann Lance TITLE Regulatory Analyst DATE 08/12/2008

Type or print name Carol Ann Lance E-mail address: clance@conchoresources.com Telephone No. 432-685-4395
For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any): _____

AUG 26 2008
Gerry Guye, Deputy Field Inspector
NMOCD-District II ARTESIA

**GJ West Coop Unit #125
API #30-015-03163
Eddy, NM**

C-103 (13) Additional Information

- 07-09-08** Frac w/106,000 gal 20# Borate gel; 107,618# 16/30 Brady; 16,334# 16/30 Siberprop. Flush w/base gel.
- 07-11-08** Release Pkr @ 4223' & POOH. Release RBP @4649' & POOH.
- 07-14-08** RIH w/146 jts 2 7/8" tbg, SN @ 4710'.
- 07-15-08** RIH w/2-1/2"x2"x16' pump & rods. Hang well on.

Submit to Appropriate
District Office
State Leases - 6 copies
Fee Leases - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-165
Revised 1-1-85

WELL API NO.

30-015-03163

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

B-10714

7. Lease Name or Unit Agreement Name

West Coop Unit

8. Well No.

125

9. Pool name or Wildcat

Grayburg Jackson, SR, ON, GR, SA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

1b. Type of Completion:

NEW WELL ☐ WORK OVER ☒ DRIFT ☐ PLUG BACK ☐ DIV. REPAIR ☐ OTHER ☐

2. Name of Operator

Mack Energy Corporation

3. Address of Operator

P.O. Box 960, Artesia, NM 88211-0960

4. Well Location

Unit Letter M : 330 Feet From The South Line and 660 Feet From The West Line

Section

27

Township

17S

Range

29E

NMCPM

Eddy

County

10. Date Spudded

2-3-95

11. Date T.D. Reached

2-6-95

12. Date Compl. (Ready to Prod.)

2-10-95

13. Elevations (DF & RKB, RT, GR, etc.)

3540' RKB

14. Elev. Casinghead

3530'

15. Total Depth

6475'

16. Plug Back T.D.

3892'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

2854'-2995'

San Andres

20. Was Directional Survey Made

None

21. Type Electric and Other Logs Run

SDDSN, SGL, LL-MSFL

22. Was Well Cored

None

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	800'	12 1/4	235sx	None
5 1/2	17#	6491'	7 7/8	1375sx	None

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8	3046'	

26. Perforation record (interval, size, and number)

2854, 2919, 20, 28, 29, 33, 40, 46, 47, 57,
2958, 78, 83, 84, 93, 95

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2854'-2995'	1000 gals 15% NE
	56,000 gals gel & 32,000
	gals 20% NE acid

28. PRODUCTION

Date First Production

2-11-95

Production Method (Flowing, gas lift, pumping - Size and type pump)

Pumping 2 1/2 X 2 X 12'

Well Status (Prod. or Shut-in)

Prod.

Date of Test

2-12-95

Hours Tested

24

Choke Size

Prod'n For Test Period

Oil - Bbl.

48

Gas - MCF

85

Water - Bbl.

78

Gas - Oil Ratio

1770

Flow Tubing Press.

Casing Pressure

Calculated 24-Hour Rate

Oil - Bbl.

Gas - MCF

Water - Bbl.

Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

R. Chase

30. List Attachments

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Crissa D. Carter

Printed Name

Crissa D. Carter

Title

Production Clerk Date 2-27-95

1.

!

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Sak	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzie
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet
No. 2, from.....to.....feet
No. 3, from.....to.....feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-015-03163

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-10714

7. Lease Name or Unit Agreement Name

Grayburg Jackson SR QN GB SA

8. Well No.
125

9. Pool name or Wildcat

Grayburg Jackson SR QN GB SA

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
Mack Energy Corporation

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

4. Well Location
Unit Letter M : 330 Feet From The South OIL CONSERV DIV. Feet From The West Line
Section 27 Township 17S Range 29E DIST. 2 NMPM Eddy County

10. Elevation (Show whether DP, RKB, RT, GR, etc.)
3530 GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Recompletion ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 2-03-95 Rigged up, ran in hole w/ 7 7/8 bit and collars to 6515' and did not tag cmt. Circ. hole. Log well.
2-04-95 Ran in hole w/165 jts 5 1/2 csg 17# J-55 csg. Landed csg @ 6491.47', DV Tool @ 3894'. Cmt 1st stage w/575sx Class C w/2.5# salt and 4/10 of 1Z Halad 322 (Circ 102sx off DV Tool). 2nd stage 400sx Hal. Lite and 400sx Class C w/2.5# salt and 4/10 of 1Z Halad 322 (Circ 25sx).
2-08-95 Perfed csg 2854'-2995', acidized perfs w/1000 gals 15% NE Acid.
2-09-95 Acidized perfs w/54,000 gals gel & 32,000 gals 20% NE Acid.
2-10-95 Put well on Pump.

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

SIGNATURE

Grissa D. Carter

TITLE

Production Clerk

DATE

2-27-95

TYPE OR PRINT NAME

Grissa D. Carter

TELEPHONE NO. 748-1288

(This space for State Use)

ORIGINAL SIGNED BY TIM W. GUN

APPROVED BY

DISTRICT SUPERVISOR

TITLE

DATE

MAR 2 1995

CONDITIONS OF APPROVAL, IF ANY:

API NO.	30-015-31290	CO-ORD	
F.R.	7-5-00	11500' RT	ELEV. IN
CTR		'8-30-00	OF
TD	11405	10310	3546

QOR	QTY	CP	TP	RNR	POT DATE	TREATMENT
					2-26-03	A/2000
CSG	11 3/4	664/850				
	8 5/8	4000/1300				
	5 1/2	11006/405				

COUNTY _____ FIELD _____

[illegible]

**Water Samples for Sect 27 Township 17 South Range 29 East Formation
RSLR years between 1990 and 2000(Chlorides>100) and (Chlorides<250)**

The number represents the number of water samples of certain well. Click the number if you want to download the data.

# of samples	S	T	R	Formation	Date	Chlorides (mg/L)	Location (qtr/qtr)
☐ SELECT/DESELECT ALL							
Submit							

Basic Energy Services Lp.
 Operator: Atlantic Richfield Company
 Surface Lease: LC028775b
 Producing Use No: LC028775b
 Unit or CA No: N. A.

Well: Robinson Fed Com - 001
 API: 3001522238
 @ Srfce: T17S-R29E, Sec 27, 1825FSL & 2220FWL
 @ MTD: N. A.

Subsurface Concerns for Casing Designs: , , , ,
 Well Status: P&A
 Spud date: 10/29/1977
 NMOC Max Inj psig: .
 O.O.2.III.B.h. MIT:
 Last WK Inspc: .
 Inspc Tbg psig: no gauge
 Inspc Csg psig: no gauge

KB: 3546
 GL: 3527
 Corr: 19

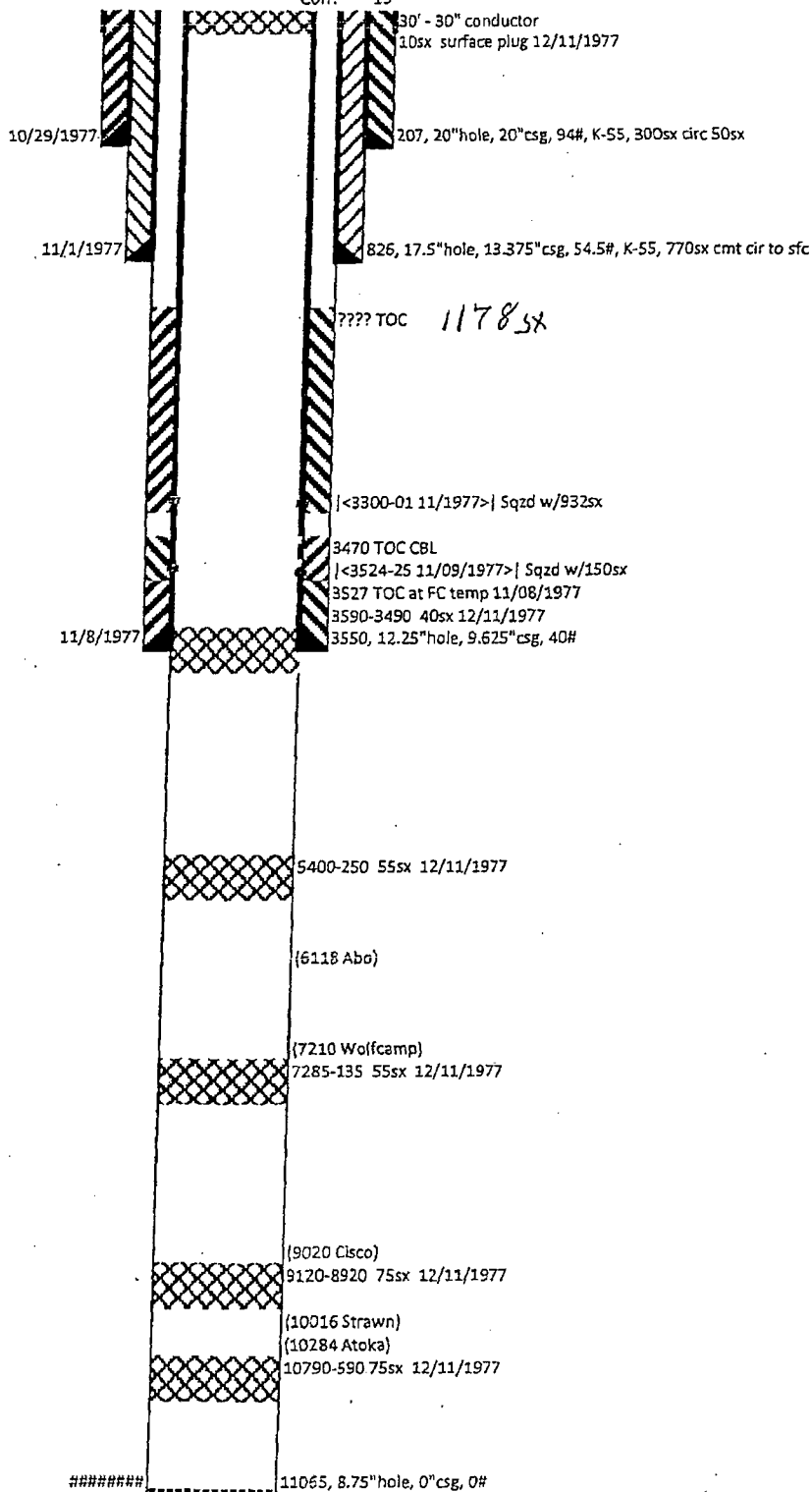


Diagram last updated: 10/12/2010

Legal Notice

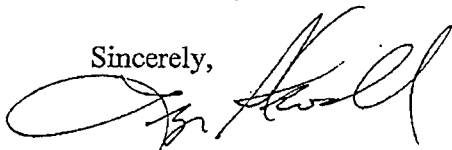
Basic Energy Services LP
NM Fluid Sales

Per New Mexico Oil Conservation Division Rules and Regulations, please find enclosed a copy of NMOCD form C-108.

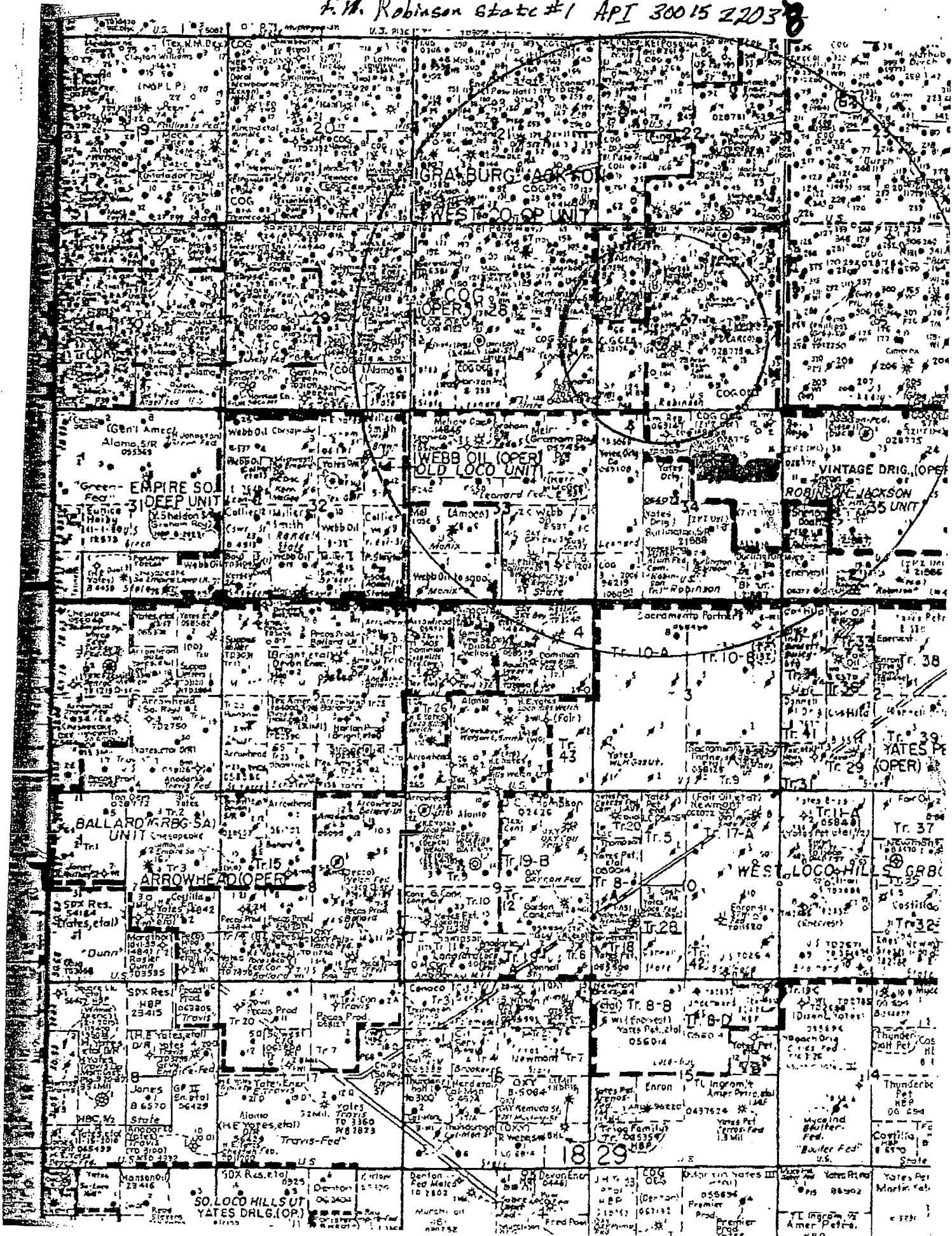
Basic Energy Services LP, P.O. Box 10460, Midland TX, 79702 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division. Basic Energy Services LP is seeking administrative approval of the conversion of the F.M. Robinson Federal Com #1 API 30-015-22238, 1825 FSL & 2220 FWL, Unit K, Section 27, Township 17 South, Range 29 East, Eddy County NM from a abandon plugged well to a commercial salt water disposal well. The disposal intervals would be from the top of the Abo Reef 6,350'-7,300', Wolfcamp 7,300'-9115', U/Penn Lm 9,115'-10,020', Strawn 10,020'-10,292, Devonian est. 11,565-11,800', Silurian est. 11,800'-12,100'. Disposal fluid would be produced water trucked in from numerous producing formations in Southeastern New Mexico by Basic Energy Services LP Trucking Department. Basic Energy Services LP anticipates a disposal rate of 4420 BWPD with a maximum disposal rate of 7800 BWPD. Anticipated disposal pressure of 200 psi with a maximum disposal pressure of 1000 psi. Well is located 1½ miles to the south of CR 213 and 1/3 mile west from Hwy 82.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting Lyn Sockwell at 432.620.5500

Sincerely,



Lyn Sockwell
Director of Environmental
P.O. Box 10460
Midland TX 79702
Phone: 432.620.5500
Lyn.Sockwell@basicenergyservices.com



March 31, 2011

SURFACE OWNERS FOR AREA SURROUNDING F. M. ROBINSON FED COM. #1

Eddy County, New Mexico

Township 17 South, Range 29 East;

Section 27: E/2; E/2 W/2;

Department of the Interior
Bureau of Land Management
302 Dinosaur Trail
Santa Fe, NM 87508

Grazing Lessee:

Bogle LTD Company LLC
P. O. Box 460
Dexter, NM 88230

Section 27: W/2 W/2;

State of New Mexico
Commissioner of Public Lands
310 Old Santa Fe Trail
Santa Fe, NM 87501

Grazing Lessee:

Bogle LTD Company LLC
P. O. Box 460
Dexter, NM 88230

Section 34: N/2 N/2;

Department of the Interior
Bureau of Land Management
302 Dinosaur Trail
Santa Fe, NM 87508

Grazing Lessee:

Bogle LTD Company LLC
P. O. Box 460
Dexter, NM 88230

Section 28: E/2 E/2;

State of New Mexico
Commissioner of Public Lands
310 Old Santa Fe Trail
Santa Fe, NM 87501

Grazing Lessee:

Bogle LTD Company LLC
P. O. Box 460
Dexter, NM 88230

March 31, 2011

LEASEHOLD INFORMATION FOR AREA SURROUNDING F. M. ROBINSON FED
COM. #1 WELL

Eddy County, New Mexico

Township 17 South, Range 29 East:

Section 27: ALL

COG Operating LLC
550 W. Texas
Suite 100
Midland, TX 79701

ZPZ Delaware I LLC
2000 Post Oak Road
Suite 100
Houston, TX 77056

Alamo Permian Resources LLC
415 W. Wall
Suite 500
Midland, TX 79701

Apache Corporation
303 Veterans Airpark Lane
Suite 3000
Midland, TX 79705

Section 28: E/2 E/2;

COG Operating LLC
550 W. Texas
Suite 100
Midland, TX 79701

Section 34: N/2 N/2;

COG Operating LLC
550 W. Texas
Suite 100
Midland, TX 79701

Yates Petroleum Corporation
105 S. 4th
Artesia, NM 88210

March 31, 2011

HOMES, BUSINESSES OR STRUCTURES IN AREA OF F. M. ROBINSON FED
COM. # 1 WELL

There are no homes, businesses or structures within the ½ mile area around the above mentioned well.

Affidavit of Publication

NO.

21692

STATE OF NEW MEXICO

County of Eddy:

Tim Menicutch

being duly sworn, says that he is the

Editor

of the Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/days on the same

day as follows:

First Publication

May 22, 2011

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

23rd day of

May

2011

10th

Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

Basic Energy Services LP
NM Fluid Sales
Per New Mexico Oil Conservation Division Rules and Regulations, please find enclosed a copy of NMOC Form C-108. Basic Energy Services LP, P.O. Box 10460, Midland TX 79702 has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division. Basic Energy Services LP is seeking administrative approval of the conversion of the F.M. Robinson Federal Com. #1 ARI 30-015-22238, 1825 E.S.L. & 2220 F.W.L. Unit K, Section 27, Township 17 South, Range 29 East, Eddy County, NM from an abandon plugged well to a commercial salt water disposal well. The disposal intervals would be from the top of the Abo Reef 6,350'-7,300', Wolfcamp 7,300'-91,15' U/Penrill 9,115'-10,020', Strawn 10,020'-10,292', Devonian est. 11,585'-11,800', Silurian est. 11,800'-12,100'. Disposal fluid would be produced water trucked in from numerous producing formations in Southeastern New Mexico by Basic Energy Services LP Trucking Department. Basic Energy Services LP anticipates a disposal rate of 4420 BWPD with a maximum disposal rate of 7800 BWPD. Anticipated disposal pressure of 200 psi with a maximum disposal pressure of 1000 psi. Well is located 1.2 miles to the south of CR 213 and 1/3 mile west from Hwy 82. All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting Lyn Sockwell at 432.620.5500. Sincerely, Lyn Sockwell, Director of Environmental P.O. Box 10460, Midland TX 79702, Phone 432.620.5500. Published in the Artesia Daily Press, Artesia, N.M., May 22, 2011. Legal No. 21692.