

12-16-2005 DATE IN	SUSPENSE na	ENGINEER MS	LOGGED IN ms	TYPE NSL	PMESD - APP NO. 535734946
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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 COVERSHEET

THIS COVERSHEET 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

[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] **INFORMATION / DATA SUBMITTED IS COMPLETE - Certification**

I hereby certify that I, or personnel under my supervision, have reviewed the applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common.

I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

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

STERLING RANDOLPH
 Print or Type Name

Signature

PETROLEUM ENGINEER
 Title

Date

e-mail Address

2005 DEC 16 AM 10 58



2005 DEC 16 AM 10 58

December 15, 2005

New Mexico Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87504

Attn: Engineering Department

Re: Jackson A #35 Eddy County, New Mexico
Unit G, 2450' FNL, 2310' FEL -Sec 13, T17S, R30E- SURFACE
Unit B, 340' FSL, 2312' FEL -SEC 13, T17S, R30E- BOTTOM HOLE

Gentlemen:

Burnett Oil Co., Inc. respectfully request's an exception without notice and hearing to NMOCD Rule 104 for the Jackson A #35 new drill (Cedar Lake Yeso) well. As per the original drilling approval our original spot was for a non standard surface but to penetrate Cedar Lake Yeso at a bottom hole standard location as a horizontal well. Because of various drilling problems, the well ended up being drill vertical to a VTD of 5216' and production casing set and cemented. A window was cut in the production casing from 4719' to 4732' and a 2110' northerly horizontal portion was then drilled. This well flow line will go to our Jackson A tank battery on the lease. **This well is scheduled to begin completion next week. We will need to keep this well open to our storage/sales tanks during the testing phase to avoid down hole problems. The attached plat shows we are the Operator of Record for all the wells on all sides of this well site. All of the interest ownership for this entire lease is exactly the same.** A copy of our approved 3160-3, the archaeological survey for the area and AFE approval letter from the working interest owners are included for your easy reference.

Please contact the undersigned or our Mr. Sterling Randolph if you should need any more information or have any question.

Yours truly,

James H. Arline
Materials Coordinator

Ryan Energy Technologies

Survey Report



Company: BURNETT OIL COMPANY				Date: 12/9/2005		Time: 15:52:51		Page: 1	
Field: Eddy County, NM				Co-ordinate(NE) Reference:		Site: Jackson A-35, Grid North			
Site: Jackson A-35				Vertical (TVD) Reference:		Est. RKB 3751.0			
Well: Well # A-35				Section (VS) Reference:		Well (0.00N,0.00E,359.81Azi)			
Wellpath: Original Hole				Survey Calculation Method:		Minimum Curvature		Db: Sybase	

Field: Eddy County, NM Cedar Lake, Yeso USA				Map Zone: New Mexico, Eastern Zone			
Map System: US State Plane Coordinate System 1927				Coordinate System: Site Centre			
Geo Datum: NAD27 (Clarke 1866)				Geomagnetic Model: igrf2005			
Sys Datum: Mean Sea Level							

Site: Jackson A-35 Section 13, T17S, R30E Eddy County, NM			
Site Position:	Northing: 667686.90 ft	Latitude: 32 50 5.594 N	
From: Map	Easting: 625785.80 ft	Longitude: 103 55 25.727 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 3739.00 ft		Grid Convergence: 0.22 deg	

Well: Well # A-35 API# 30-015-				Slot Name:			
Well Position: +N/-S 0.00 ft	Northing: 667686.90 ft	Latitude: 32 50 5.594 N					
+E/-W 0.00 ft	Easting: 625785.80 ft	Longitude: 103 55 25.727 W					
Position Uncertainty: 0.00 ft							

Wellpath: Original Hole				Drilled From: Surface			
Current Datum: Est. RKB				Tie-on Depth: 0.00 ft			
Magnetic Data: 11/10/2005				Above System Datum: Mean Sea Level			
Field Strength: 49548 nT				Declination: 8.45 deg			
Vertical Section: Depth From (TVD)				Mag Dip Angle: 60.83 deg			
ft	+N/-S ft	+E/-W ft	Direction deg				
0.00	0.00	0.00	359.81				

Survey Program for Definitive Wellpath			
Date: 12/9/2005		Validated: Yes	
Actual From ft	To ft	Survey	Version: 2
			Toolcode
			Tool Name

Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsDist ft	ClsAzi deg	Comment
4660.00	0.36	334.20	4659.26	24.34	-13.22	24.38	0.00	27.69	331.50	MWD
4737.00	3.70	359.00	4736.20	27.04	-13.36	27.09	4.39	30.16	333.70	MWD
4777.00	17.20	35.30	4775.47	33.19	-9.95	33.22	35.95	34.65	343.31	MWD
4808.00	26.30	44.80	4804.24	41.82	-2.45	41.83	31.39	41.90	356.65	MWD
4839.00	35.20	38.50	4830.87	53.72	7.98	53.69	30.50	54.31	8.45	MWD
4870.00	46.10	33.50	4854.36	70.08	19.74	70.01	36.67	72.80	15.74	MWD
4903.00	58.60	37.10	4874.48	91.31	34.87	91.19	38.84	97.74	20.90	MWD
4933.00	72.20	34.60	4886.94	113.39	50.77	113.22	45.96	124.24	24.12	MWD
4964.00	82.80	26.20	4893.65	139.45	66.01	139.23	43.21	154.29	25.33	MWD
4995.00	86.80	12.40	4896.47	168.51	76.18	168.26	46.16	184.93	24.33	MWD
5026.00	92.30	1.50	4896.72	199.23	79.92	198.96	39.37	214.66	21.86	MWD
5057.00	93.70	355.20	4895.09	230.16	79.03	229.89	20.79	243.35	18.95	MWD
5088.00	94.30	354.20	4892.93	260.95	76.18	260.69	3.76	271.84	16.27	MWD
5120.00	94.50	354.10	4890.47	292.69	72.92	292.44	0.70	301.64	13.99	MWD
5151.00	92.50	355.60	4888.58	323.50	70.15	323.27	8.06	331.02	12.23	MWD
5182.00	92.30	355.90	4887.28	354.39	67.85	354.16	1.16	360.83	10.84	MWD
5214.00	92.90	355.60	4885.83	386.27	65.48	386.05	2.10	391.78	9.62	MWD
5246.00	90.60	357.30	4884.86	418.19	63.50	417.97	8.94	422.98	8.63	MWD
5277.00	89.80	358.00	4884.75	449.16	62.23	448.95	3.43	453.45	7.89	MWD
5307.00	87.70	358.40	4885.40	479.14	61.29	478.93	7.13	483.04	7.29	MWD
5337.00	86.90	358.70	4886.81	509.10	60.53	508.89	2.85	512.68	6.78	MWD
5368.00	87.10	358.70	4888.44	540.05	59.83	539.84	0.65	543.35	6.32	MWD
5399.00	87.30	357.70	4889.95	570.99	58.86	570.79	3.29	574.02	5.89	MWD

Ryan Energy Technologies

Survey Report



Company: BURNETT OIL COMPANY Field: Eddy County, NM Site: Jackson A-35 Well: Well # A-35 Wellpath: Original Hole	Date: 12/9/2005 Co-ordinate(N/E) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 15:52:51 Site: Jackson A-35, Grid North Est. RKB 3751.0 Well (0.00N,0.00E,359.81Azi) Minimum Curvature	Page: 2 Db: Sybase
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Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsDist ft	ClsAzi deg	Comment
5431.00	90.00	357.30	4890.71	602.95	57.46	602.75	8.53	605.68	5.44	MWD
5462.00	90.40	357.30	4890.60	633.92	56.00	633.72	1.29	636.38	5.05	MWD
5492.00	90.50	357.30	4890.36	663.88	54.59	663.69	0.33	666.12	4.70	MWD
5555.00	91.00	357.30	4889.54	726.81	51.62	726.63	0.79	728.64	4.06	MWD
5586.00	90.80	357.70	4889.05	757.77	50.27	757.60	1.44	759.44	3.80	MWD
5618.00	90.80	357.30	4888.60	789.74	48.87	789.57	1.25	791.25	3.54	MWD
5680.00	90.80	357.30	4887.74	851.66	45.95	851.51	0.00	852.90	3.09	MWD
5743.00	90.70	357.00	4886.91	914.58	42.82	914.43	0.50	915.58	2.68	MWD
5774.00	90.60	357.30	4886.56	945.54	41.28	945.40	1.02	946.44	2.50	MWD
5805.00	90.20	357.70	4886.34	976.51	39.93	976.37	1.82	977.33	2.34	MWD
5837.00	90.30	357.70	4886.21	1008.48	38.64	1008.35	0.31	1009.22	2.19	MWD
5868.00	90.70	358.00	4885.93	1039.46	37.48	1039.33	1.61	1040.14	2.07	MWD
5900.00	90.70	358.40	4885.54	1071.44	36.47	1071.31	1.25	1072.06	1.95	MWD
5931.00	90.60	358.40	4885.19	1102.43	35.61	1102.30	0.32	1103.00	1.85	MWD
5962.00	90.60	358.40	4884.87	1133.41	34.74	1133.29	0.00	1133.95	1.76	MWD
5994.00	90.70	358.40	4884.50	1165.40	33.85	1165.28	0.31	1165.89	1.66	MWD
6025.00	90.60	358.70	4884.15	1196.39	33.07	1196.27	1.02	1196.84	1.58	MWD
6056.00	90.50	359.10	4883.86	1227.38	32.47	1227.27	1.33	1227.81	1.52	MWD
6087.00	90.50	359.40	4883.58	1258.38	32.06	1258.26	0.97	1258.79	1.46	MWD
6119.00	90.60	359.40	4883.28	1290.37	31.73	1290.26	0.31	1290.76	1.41	MWD
6150.00	91.80	358.40	4882.63	1321.36	31.13	1321.25	5.04	1321.73	1.35	MWD
6180.00	92.20	357.70	4881.58	1351.32	30.11	1351.22	2.69	1351.66	1.28	MWD
6211.00	92.10	357.30	4880.42	1382.27	28.76	1382.17	1.33	1382.57	1.19	MWD
6241.00	91.90	357.70	4879.37	1412.23	27.46	1412.13	1.49	1412.49	1.11	MWD
6273.00	91.90	357.00	4878.31	1444.17	25.98	1444.08	2.19	1444.41	1.03	MWD
6304.00	91.70	357.30	4877.34	1475.12	24.44	1475.03	1.16	1475.32	0.95	MWD
6335.00	91.70	357.30	4876.42	1506.07	22.98	1505.99	0.00	1506.25	0.87	MWD
6366.00	91.40	357.00	4875.58	1537.02	21.44	1536.94	1.37	1537.17	0.80	MWD
6398.00	91.40	357.00	4874.80	1568.97	19.76	1568.89	0.00	1569.09	0.72	MWD
6429.00	91.40	357.30	4874.04	1599.92	18.22	1599.85	0.97	1600.03	0.65	MWD
6460.00	91.60	357.00	4873.23	1630.87	16.68	1630.81	1.16	1630.96	0.59	MWD
6492.00	91.20	357.30	4872.45	1662.82	15.09	1662.76	1.56	1662.89	0.52	MWD
6523.00	91.20	357.70	4871.80	1693.79	13.74	1693.73	1.29	1693.84	0.46	MWD
6554.00	91.00	358.00	4871.20	1724.76	12.57	1724.71	1.16	1724.81	0.42	MWD
6586.00	91.00	357.70	4870.64	1756.73	11.37	1756.68	0.94	1756.77	0.37	MWD
6617.00	90.80	357.70	4870.16	1787.70	10.13	1787.66	0.65	1787.73	0.32	MWD
6648.00	90.70	357.70	4869.75	1818.68	8.89	1818.64	0.32	1818.70	0.28	MWD
6678.00	90.40	357.70	4869.46	1848.65	7.68	1848.61	1.00	1848.67	0.24	MWD
6709.00	90.10	357.70	4869.33	1879.62	6.44	1879.59	0.97	1879.64	0.20	MWD
6740.00	90.20	358.00	4869.25	1910.60	5.28	1910.57	1.02	1910.61	0.16	MWD
6771.00	90.20	358.00	4869.14	1941.58	4.19	1941.56	0.00	1941.59	0.12	MWD
6802.00	90.20	358.40	4869.03	1972.57	3.22	1972.55	1.29	1972.57	0.09	MWD
6833.00	90.30	358.00	4868.89	2003.55	2.25	2003.53	1.33	2003.55	0.06	MWD
6865.00	90.10	358.00	4868.78	2035.53	1.13	2035.52	0.62	2035.53	0.03	MWD
6895.00	90.00	357.00	4868.76	2065.50	-0.18	2065.49	3.35	2065.50	360.00	MWD
6940.00	90.00	357.00	4868.76	2110.44	-2.53	2110.44	0.00	2110.44	359.93	MWD



DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

December 13, 2005

Burnett Oil Co, Inc
801 Cherry St, Suite 1500
Ft Worth, TX 76102

Re: Jackson "A" #35
Section 13, T-17-S, R-30-E
Eddy County, New Mexico

The following is a Deviation Survey on the above referenced well in Eddy County, New Mexico:

152' - 1°	1902' - 1 1/2°	3666' - 1 1/2°
417' - 1 1/2°	2399' - 1 1/4°	4157' - 1/2°
916' - 1/2°	2895' - 2°	4653' - 1 1/2°
1410' - 1 3/4°	3173' - 3/4°	5178' - 1 1/2°

Sincerely,

Gary W Chappell
Contracts Manager

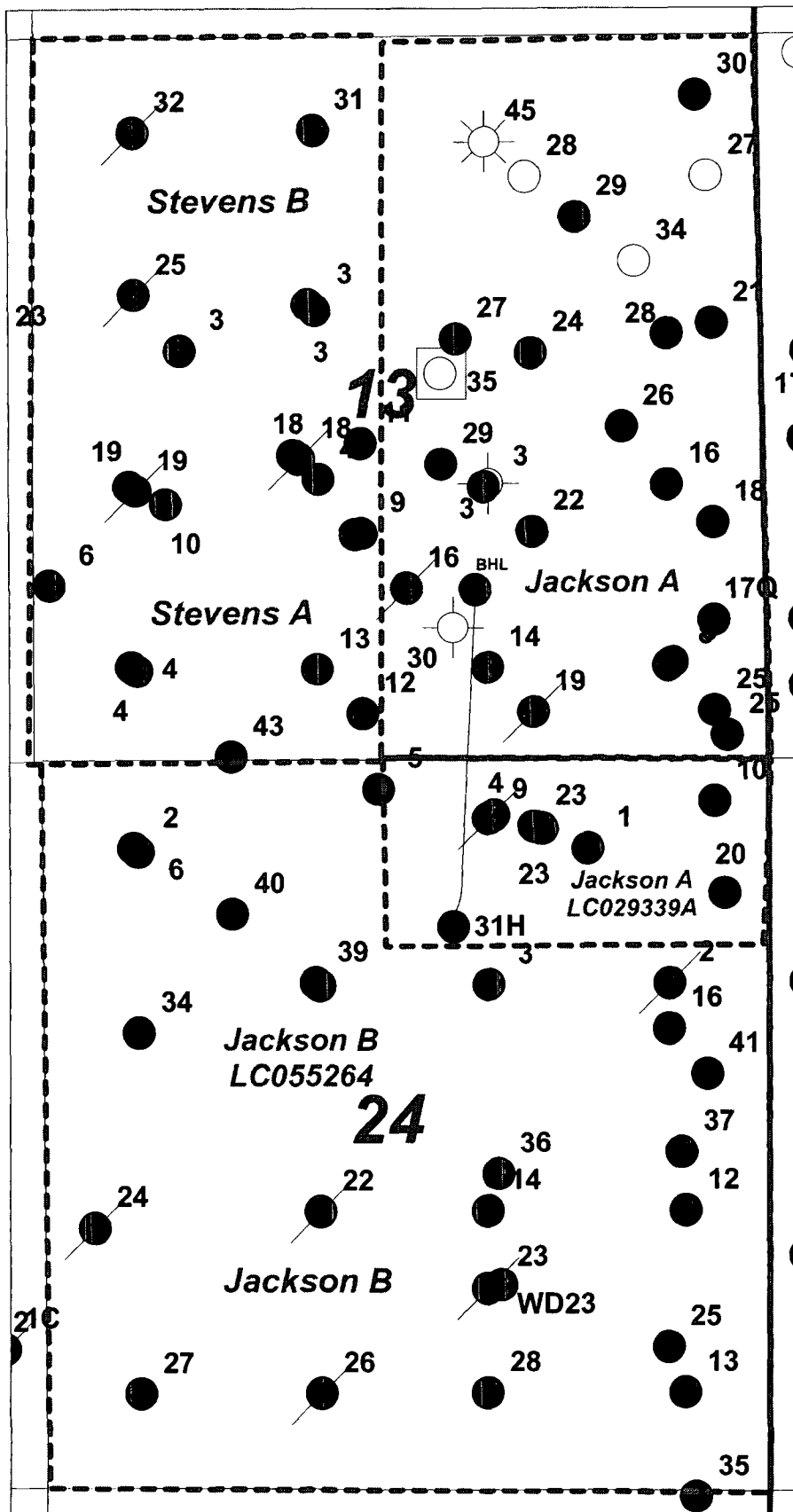
STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 13th day of December, 2005 by Gary W Chappell.

MY COMMISSION EXPIRES

June 19th, 2007

Virginia L Long
NOTARY PUBLIC



**Application for Non-Standard
Location Approval**

Burnett Oil Co., Inc.

**WELLS DRILLED TO ALL DEPTHS
EDDY COUNTY, NEW MEXICO**

Scale: 1" = 1240 Feet

Date:
15 December, 2005

CCCC

December 15, 2005

GROSS WORKING INTERESTS
Yeso formation
Eddy Co., NM
T17S-R30E NMPM

WORKING INTEREST OWNER	JACKSON A Federal Lease LC-029339A	STEVENS B Federal Lease LC-055958	STEVENS B Federal Lease LC-030570A
YATES DRLG	0.0377610	0.0377610	0.0377610
ABO	0.0377610	0.0377610	0.0377610
MYCO	0.0377610	0.0377610	0.0377610
BURNETT	0.8867170	0.8867170	0.8867170
TOTAL	1.0000000	1.0000000	1.0000000

FROM LAND DEPT

J. H. Carline

OPERATOR'S COPY

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPL
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
BURNETT OIL CO., INC (817/332-5108)

3. ADDRESS OF OPERATOR
801 CHERRY STREET, SUITE 1500, FORT WORTH, TEXAS 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface UNIT G, 2450' FNL, 2310' FEL

At proposed prod. zone UNIT B, 330' FNL, 2310' FEL
SUBJECT TO LIKE APPROVAL BY STATE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
APPROXIMATELY 6 MILES EAST OF LOCO HILLS, NEW MEXICO

16. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any) 330'

16. NO. OF ACRES IN LEASE
560

17. NO. OF ACRES ASSIGNED
TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 660'

19. PROPOSED DEPTH
7700'MD

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3739' GR

22. APPROX. DATE WORK WILL START*
September 15, 2005

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 7/8"	9 5/8"	32.30#	415'	+/-400 Sks(Circ. to Surface)
8 3/4"	7"	23#	7700'MD	+/-1500 Sks in 2 stages

WITNESS

(If water flows are encountered
cementing program may vary.)

A 14 7/8" hole will be drilled to Rustler Anhydrite. We will set 9 5/8" surface casing @ this depth & cement to surface. After an 18 hour cement wait, casing & BOP will be tested before drill out of the shoe. Will drill an 8 3/4" hole to approx. 7700' MD and set & cement approx 7700' of 7" 23# production casing to effectively test the Cedar Lake Yeso interval. We will perforate and treat productive intervals as recommended by our service company. The penetration point is planned to be @ 2310' FNL, 2310' FEL. The surface location is 50' from the lease line, but the producing interval downhole will be 330' from the West lease

**APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED**

Roswell Controlled Water Basin

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Stirling Lamb TITLE PETROLEUM ENGINEER DATE July 18, 2005
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY Lara TITLE Acting FIELD MANAGER DATE 9/7/05
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL FOR 1 YEAR

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

A. FRENCH DR., HOBBS, NM 88240

1301 W. GRAND AVENUE, ARTESIA, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

1220 S. ST. FRANCIS DR., SANTA FE, NM 87605

Santa Fe, New Mexico 87505

☐ AMENDED REPORT

API Number 30-05-		Pool Code 96831	Pool Name Cedar Lake, Yeso	
Property Code 020767	Property Name JACKSON A			Well Number 35
OGRID No. 003080	Operator Name BURNETT OIL COMPANY			Elevation 3739'

Surface Location

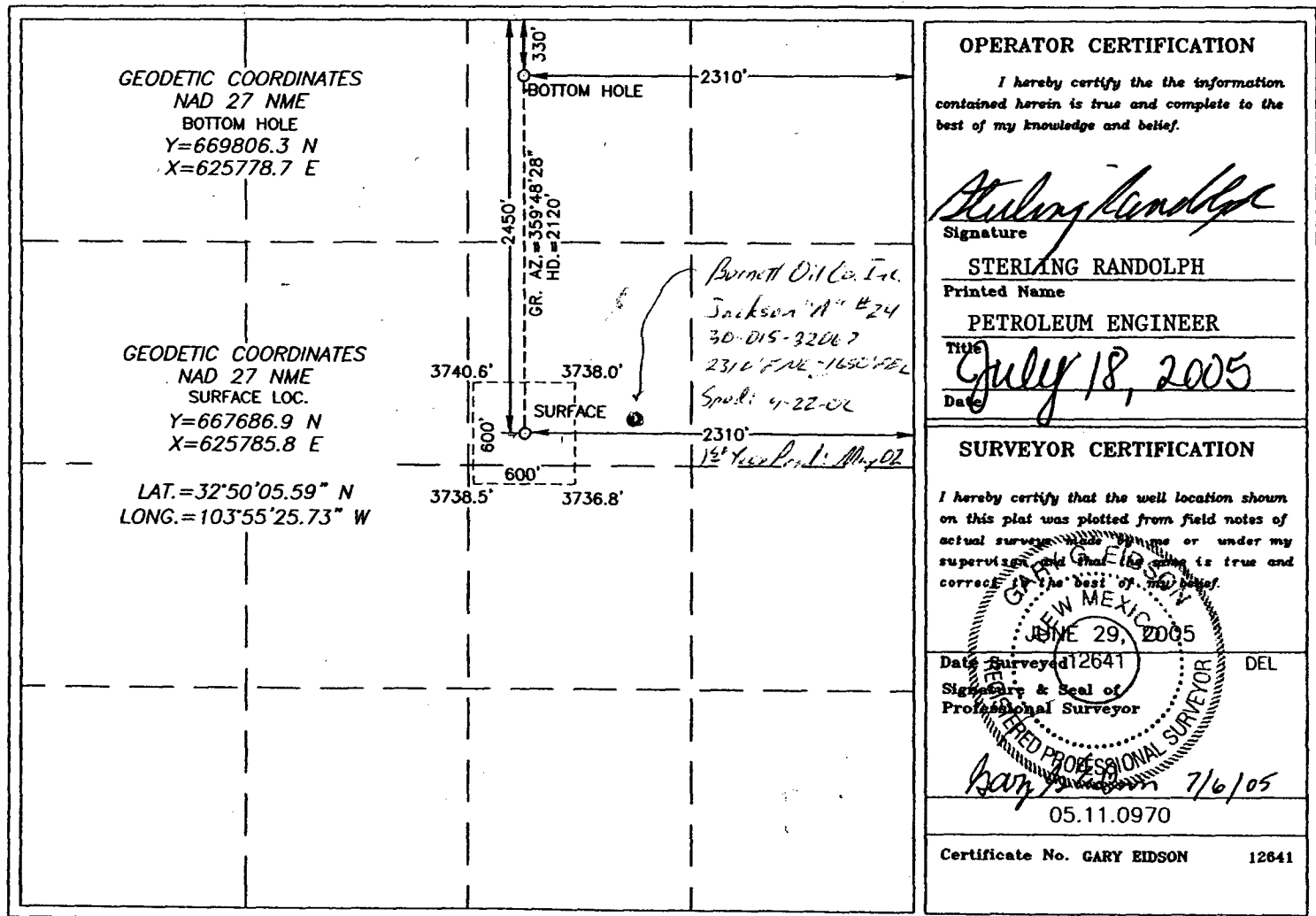
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	13	17-S	30-E		2450	NORTH	2310	EAST	EDDY

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
B	13	17-S	30-E		330	NORTH	2310	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	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**



Stand-A 640-acre Section

July 18, 2005

Yates Drilling Company
105 South Fourth Street
Artesia, New Mexico 88210
Attn: Dr. Dave Boneau

RECEIVED
RECEIVED
JUL 22 2005
JUL 22 2005
MAIL ROOM
YATES DRILLING

Re: Jackson A #35
Unit G, 2450' FNL, 2310' FEL C = 002
SEC.13, T17S, R30E- Eddy County, New Mexico

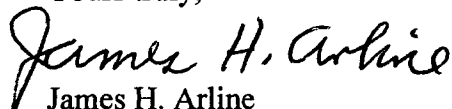
Dear Dr. Boneau:

We propose to drill the referenced new well to test the Cedar Lake, Yeso. The location selected is a standard forty (40) acre tract.

We request your approval on behalf of Yates Drilling, Abo Petroleum, Myco Industries and Yates Petroleum to complete this work. Please signify your approval by signing and returning a copy of this letter and the enclosed AFE and this letter as soon as possible. A copy of the unapproved APD is enclosed for you file.

Please contact our Mr. Sterling Randolph or the undersigned if you need additional information.

Yours truly,


James H. Arline
Materials Coordinator

X Approve new well

By:  Date: _____
ENGINEERING MANAGER
DATE 7-22-05

Title: Dave Boneau, Engineering Manager

1. (For BLM Use) BLM Report No.		2. (For BLM Use) Reviewer's Initials/Date _____ Accepted () Rejected ()		3. NMCRIS Number: 94425	
4. Type of Report: Negative (X) Positive ()					
5. Title of Report: A Class III Cultural Resource Survey for the Jackson "A" No. 35 Well Pad and Associated Flow Line Author(s): Justin Rein				6. Fieldwork Date(s): August 30, 2005	
				7. Report Date: August 31, 2005	
8. Consultant Name/Address: Boone Archaeological Services, LLC Direct Charge: Danny Boone Field Personnel Names: Justin Rein Address: 2030 North Canal Carlsbad, New Mexico 88220 Phone (505) 885-1352				9. Cultural Resource Permit No.: 190-2920-05-G	
				10. Consultant Report No.: BAS-08-05-45	
11. Customer Name: Burnett Oil Co., Inc. Responsible Individual: James H. Arline Address: Burnett Plaza Suite 1500 801 Cherry Street Unit #9 Fort Worth, TX 76102-6881 Phone: (817) 332-5108				12. Customer Project No.:	
13. Land Status		BLM	State	Private	Total
a. Area Surveyed (acres)		8.26			8.26
b. Area of Effect (acres)		5.91			5.91
14. Linear Block		Length 3,692 ft Length 600 ft	Width 100 ft Width 600 ft		
15. Location (Map[s] Attached):					
a. State: New Mexico					
b. County: Eddy County					
c. BLM Office: Carlsbad Field Office					
d. Nearest City or Town: Loco Hills, New Mexico					
e. Legal Description: T 17 S, R 30 E, Section 13: SW¼ NE¼, W½ SE¼ Section 24: NW¼ NE¼					
f. Well Pad Footages: The Jackson "A" No. 35 is centered 2,450 feet from the north line and 2,310 feet from the east line of Section 13.					
g. USGS 7.5' Map Name(s), Date(s), and Code(s): Loco Hills, New Mexico Provisional Edition 1985 (32103-C6)					

16. Project Data:

a. Records Search: Date(s) of BLM File Review: August 30, 2005 Name of Reviewer(s): Justin Rein

Date(s) of ARMS Data Review: August 30, 2005 Name of Reviewer(s): Justin Rein

Findings (see Field Office requirements to determine area to be reviewed during records search): Three previously recorded sites (LA 101466, LA 122795, and LA 148250) were found within 0.25 miles of the project area. None of these sites will be impacted by the current undertaking.

b. Description of Undertaking: On August 30, 2005, Justin Rein, with Boone Archaeological Services, LLC conducted a pedestrian cultural resource survey for the proposed Jackson "A" No. 35 well pad and associated flow line. James H. Arline, with Burnett Oil Co., Inc., requested the survey and provided plats. The project is located in Township 17 South, Range 30 East, Sections 13 and 24. The well is centered 2,450 feet from the north line and 2,310 feet from the east line of Section 13. Access will be afforded via an existing lease road along the eastern margin of the project. The proposed flow line begins at the northeast corner of the well location and travels 3,692 ft south and east to an existing tank battery. The entirety of the flow line follows the edge of an existing lease road. The well will impact an area 400 ft by 400 ft, yet a 600 ft by 600 ft block was surveyed to ensure the protection of cultural resources. The proposed flow line is within the limits of a previous cultural resource survey, BLM project No. 05-766. According to James Smith, Archaeologist with the BLM-CFO (personal conversation, August 30, 2005), no new survey was required for this portion of the proposed project. In all, a total of 8.26 acres was surveyed, entirely on Federal property owned and administered by the Bureau of Land Management - Carlsbad Field Office (BLM-CFO).

c. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.): The project area is located three miles northeast of Loco Hills, New Mexico. The elevation averages from 3,735 ft above mean sea level. The project is situated among an overall flat plain of undulating dunes which trends downhill towards the southwest at a grade of just over one percent. Local soils are of the Kermit-Berino association as defined by the Soil Conservation Service of the U.S. Department of Agriculture and consist of light brown to reddish sandy soils which have been wind-worked into low coppice dunes up to 2 m in height. Local vegetation is typical of Chihuahuan Desert scrub and includes shin oak, mesquite, yucca, snakeweed, sage, various grasses, cacti, and low forbes. Due to the vegetative ground cover, visibility averaged 85 percent at the time of survey. A lease road bisects the project area in a roughly north to south direction along the eastern portion of the well survey area. Pipelines, both buried and surface, criss-cross the area and parallel the lease road. The proposed flow line follows a similar line along the edge of the existing caliche-capped lease road. The project is otherwise undeveloped and susceptible to cattle grazing and natural aeolian and alluvial processes.

Meteorological data was obtained for the nearby town of Maljamar, New Mexico from the Western Regional Climate Center (WRCC) online database. From 1942 to 2000, Maljamar received an average annual precipitation of 14.37 inches. During the same time, Maljamar had an average high temperature of 76.4 degrees Fahrenheit and an average low temperature of 44.7 degrees Fahrenheit. January was the coldest month averaging 56.1 degrees Fahrenheit, while July was the warmest on average at 94.3 degrees Fahrenheit.

d. Field Methods (transect intervals; crew size; time in field; etc.): A crew of one spent 2.5 hours surveying the project area. A 15 m transect interval was used.

e. Artifacts Collected?: None

17. Cultural Resource Findings: No cultural materials were encountered.

a. Location/Identification of Each Resource: N/A

b. Evaluation of Significance of Each Resource: N/A

18. Management Summary (Recommendations): No cultural materials were encountered during the survey for the proposed Jackson "A" No. 35 well pad and associated flow line. As such, archaeological clearance is recommended for the project as currently staked. If any cultural materials are encountered during construction, work at that location should cease and archaeologists with the BLM-CFO should be notified immediately.

19.

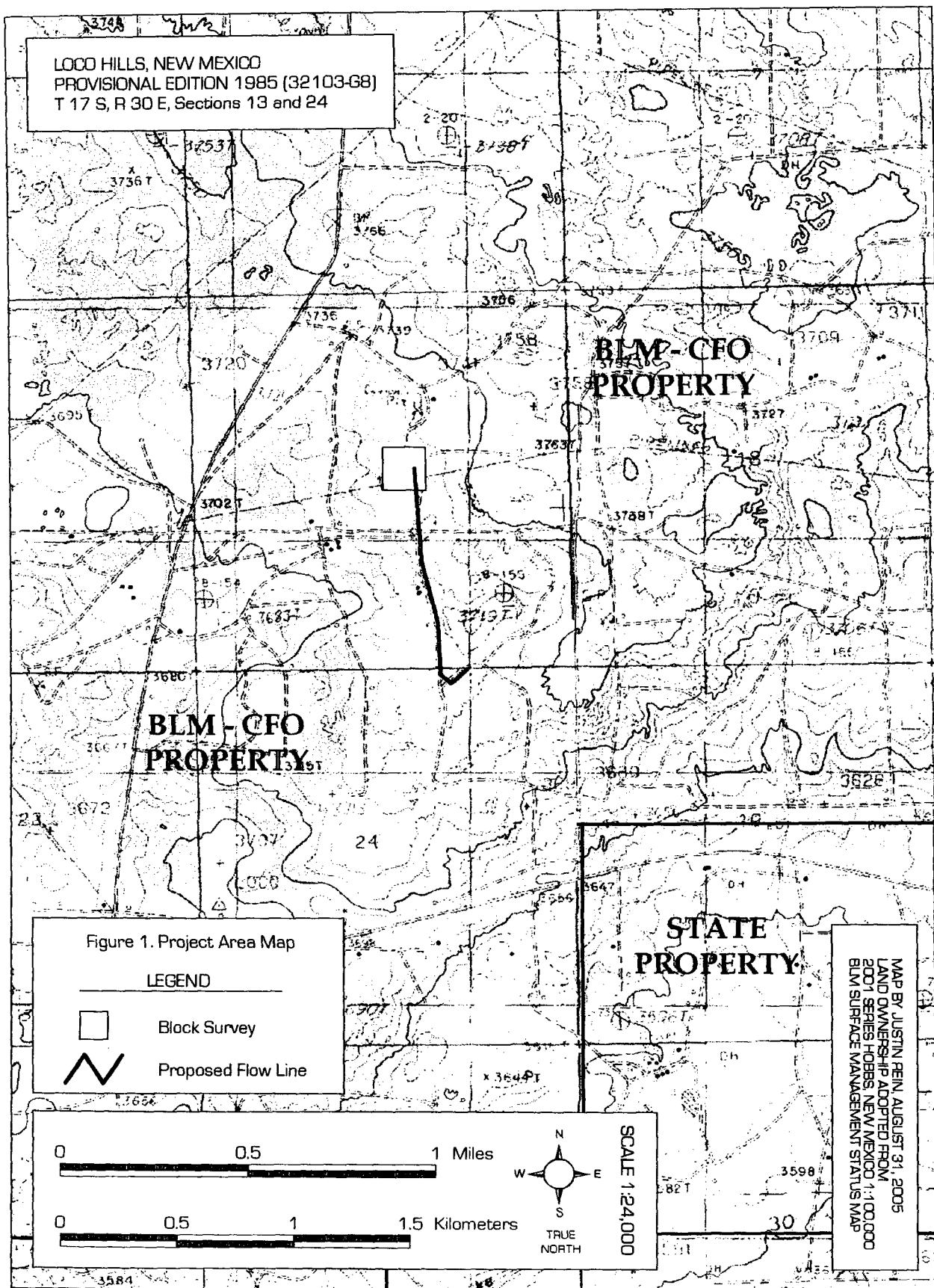
I certify the information provided above is correct and accurate and meets all applicable BLM standards.

Responsible Archaeologist

Signature

Date

Survey for the Jackson A No. 35 Well Pad and Associated Flow Line



BAS-08-05-45