Frm 3 (Faugust)	10-5 200%
(22rugust)	2001

ATS-10-17

FORM APPROVED OMB No 1004-0137 Expires July 31, 2010

UNI	TED	ST	A٦	ΓES

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

NMLC055264

APPLICATION FOR PERMIT TO DRILL OR REENTER

6 If Indian, Allottee or Tribe Name

5 Lease Serial No

la Type of Work

DRILL

REENTER

7 If Unit or CA Agreement, Name and No

8 Lease Name and Well No

NMOCD ARTESIA

lb. Type of Well 2 Name of Operator

3715' GL

Oil Well Gas Well Other	Single Zone	Multiple Zone	JACKSON B #48
			O ADI Wall No

BURNETT OIL CO., INC. 30-015-3b. Phone No (include area code) 10 Field and Pool, or Exploratory

LOG HIVA Çedar Lake Glorieta Yeso 801 Cherry St. Unit 9 Fort Worth, Tx76102 (817) 332-5108

4 Location of Well (Report location clearly and in accordance with any State requirements *) 11. Sec, T., R., M, or Blk and Survey or Area Unit A, 330' FNL, 990' FEL SEC 12, T17S, R30E

SAME AS ABOVE

DECEMBER 21, 2009

At proposed prod zone 12 County or Parish 14 Distance in miles and direction from nearest town or post office* 13 State Approx 7 miles East & North of Loco Hills, New Mexico **EDDY CTY NEW MEXICO** 16. No of Acres in lease 17 Spacing Unit dedicated to this well Distance from proposed*

location to nearest 330' 160 property or lease line, ft (Also to nearest drig. unit line, if any) 19. Proposed Depth 20 BLM/BIA Bond No on file 18 Distance from proposed location* to nearest well, drilling, completed, 3301 6000' NMB# 000197 applied for, on this lease, ft 23 Estimated duration 22. Approximate date work will start* 21. Elevations (Show whether DF, KDB, RT, GL, etc.)

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No 1, shall be attached to this form

- Well plat certified by a registered surveyor
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office)
- Bond to cover the operations unless covered by an existing bond on file (see

18 Days to Drill

- Operator certification.
- Such other site specific information and/or plans as may be required by the BLM

Name (Printed/Typed) MARK JACOBY

Approved by (Signature) Name (Printed/Typed) /s/ Don Peterson Title Office CARLSBAD FIELD OFFICE FIELD MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon APPROVAL FOR TWO YEARS Conditions of approval, if any, are attached

Title 18 U S C Section 1001 and Title 43 U S C Section 1212, make 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

(Continued on page 2)

*(Instructions on page 2)

Roswell Controlled Water Basin

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR CONDITIONS OF APPROVAL DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 DISTRICT II 1301 W. Grand Avenue, Artesia, NM 88210

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

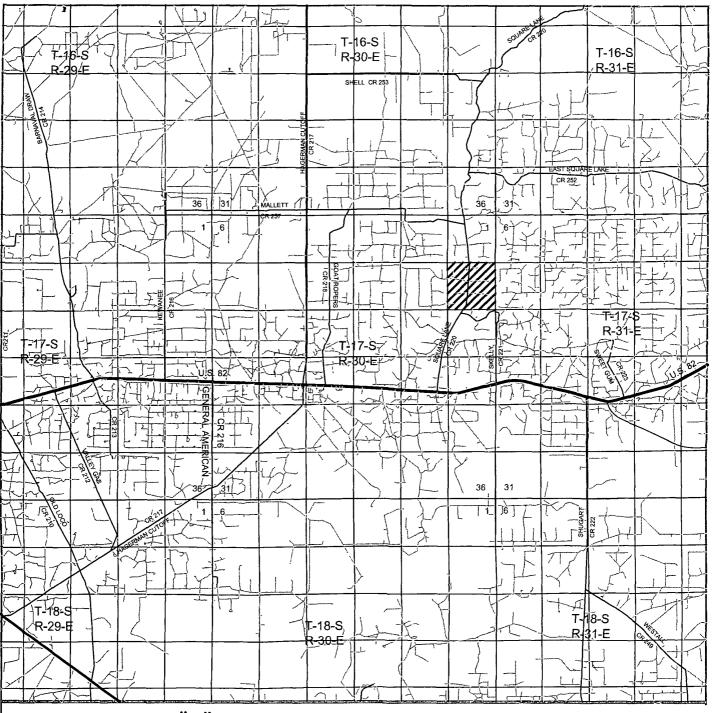
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

30-015-	umber 27	492	94	Pool Cod	le	do	(0 Hills	Pool Name	RIETR YO	200
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LVC DC	21/	<u> </u>			Surface				.J	
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		-	Bottom	Hole	Location If	Diffe	rent From Suri	face		
UL or lot No.	Section	Townshi	p Range	Lot Id	n Feet from	n the	North/South line	Feet from the	East/West line	County
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				·				on this plat was actual surveys a supervison, and correct to the	that the well locati s plotted from field made by me or that the same is best of my belief	notes of under my true and
	+ 			 		 	- — — — — ·	Date Surveyed Signature Professional S	Designation L. Jones	7977
				i				BAS	SIN SURVEYS	



JACKSON "B" #48
Located 330' FNL and 990' FEL
Section 12, Township 17 South, Range 30 East,
N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393—7316 — Office (575) 392—2206 — Fax basinsurveys.com

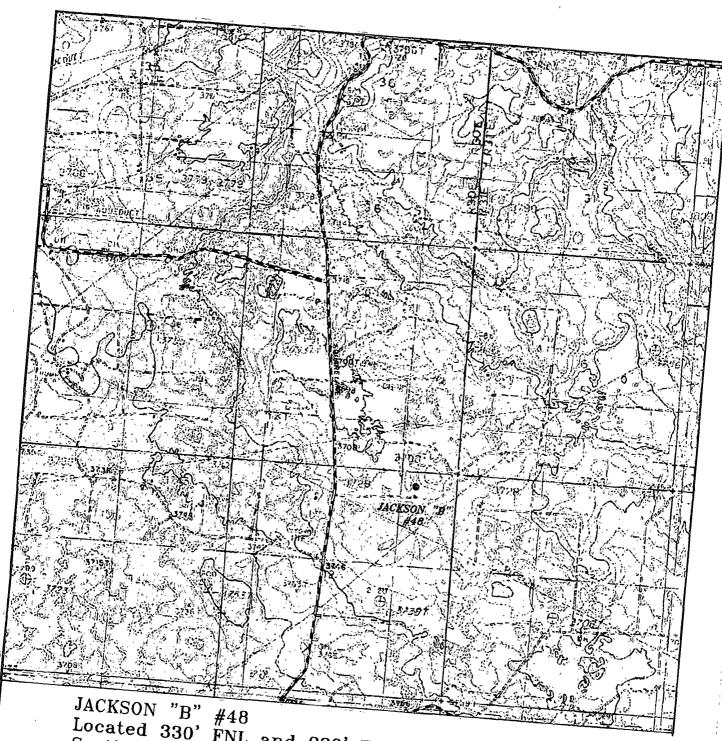
W.O. Number: JMS 21501

Survey Date: 07-07-2009

Scale: 1" = 2 Miles

Date: 07-08-2009

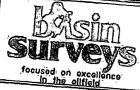
BURNETT OIL COMPANY, INC.



JACKSON "B" #48 Located 330' FNL and 990' FEL

JACKSON A #48 SURFACE EXHIBIT A1

Section 12, Township 17 South, Range 30 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393-7316 - Office (575) 392-2206 - Fax basinsurveys.com

W.O. Number: JMS 21501 Survey Date: 07-07-2009 Scale: 1" = 2000' Date: 07-08-2009

BURNETT OIL COMPANY, INC.



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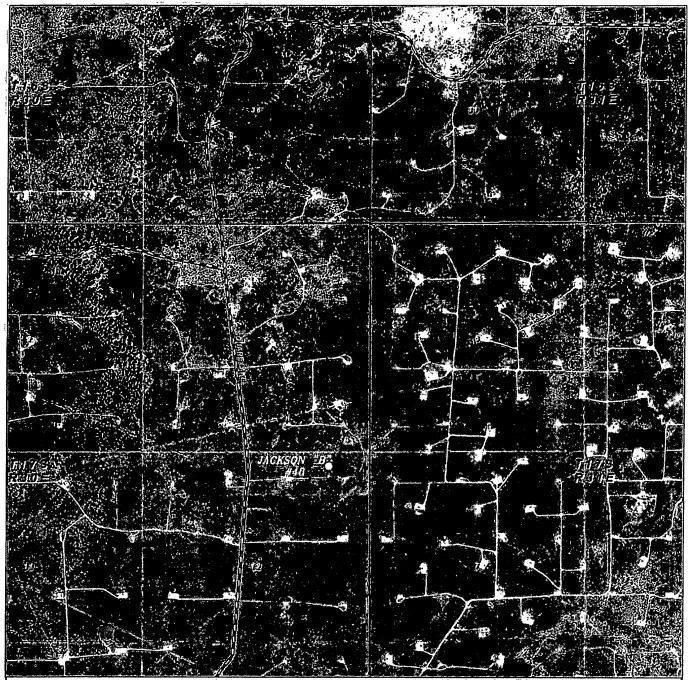
W.O. Number: JMS 21501

Survey Date: 07-07-2009

Scale: 1" = 2000'

Date: 07-08-2009

BURNETT OIL COMPANY, INC.



JACKSON "B" #48
Located 330' FNL and 990' FEL
Section 12, Township 17 South, Range 30 East,
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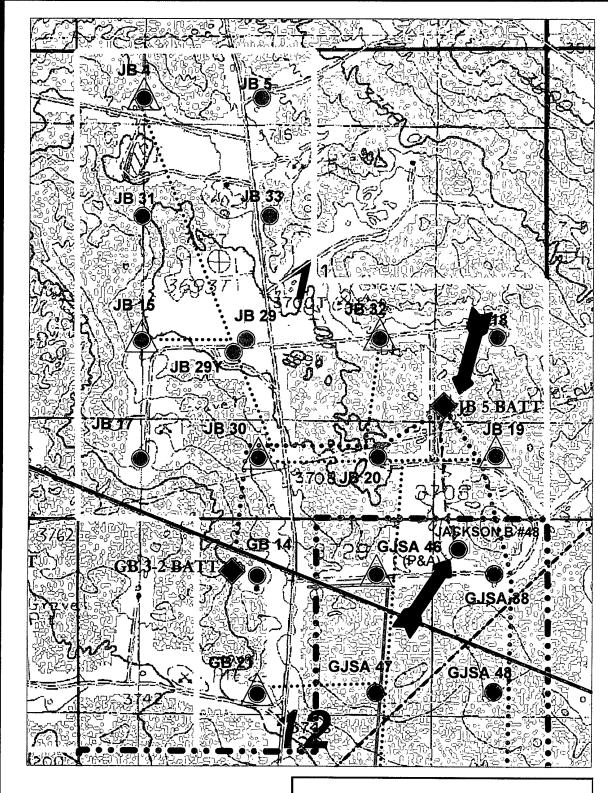


P.O. Box: 1785 1120 N. West County Rd. Hobbs, New Moxico 88241 (575) 393-7316 - Office (575) 392-2206 - Fax basinsurveys.com W.O. Number: JMS 21501

Scole: 1" = 2000'

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

BURNETT OIL COMPANY, INC.



Well Names

GA = Gissler A

GB = Gissler B

SA = Stevens A

GJSA = Grayburg Jackson San Andres

JA = Jackson A

JB = Jackson B

Burnett Oil Co., Inc.

Jackson B #48 Proposed Well Location (Map Reflects Burnett Operated Wells Only) Eddy County, New Mexico

Author: Date:
S Spray, Geo Tech September 23, 2009
Scale:

LOWLINE

Jackson B #48

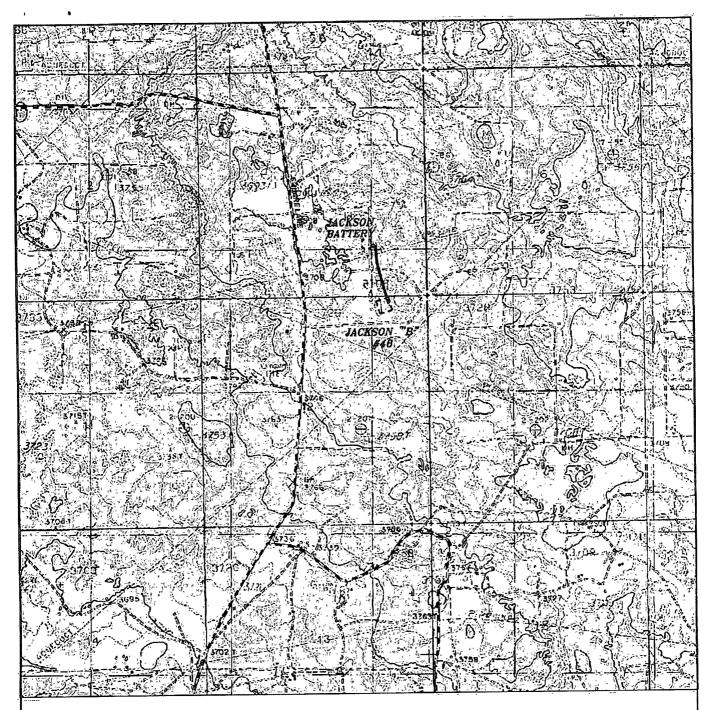
T17S, R30E, Sect 12, Unit A, LC-055264 (PT)

1284.0

330' FNL, 990' FEL, JB 5 Battery Lat/Long: 32.855237/-103.919663

JACKSON A #48 SURFACE EXHIBIT B

SECTION 12, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO. 200 400 FEET 200 SCALE: 1" = 200' Directions to Location: BURNETT OIL COMPANY, INC. FROM THE JUNCTION OF US HWY 82 AND SQUARE LAKE, GO NORTH 2.7 MILES TO LEASE ROAD, ON LEASE ROAD GO EAST 0.3 MILES TO PROPOSED LEASE ROAD. JACKSON "B" #48 / WELL PAD TOPO THE JACKSON "B" #48 LOCATED 330' FROM THE NORTH LINE AND 990' FROM THE EAST LINE OF SECTION 12, TOWNSHIP 17 SOUTH, RANGE 30 EAST, BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO N.M.P.M., EDDY COUNTY, NEW MEXICO. W.O. Number: 21501 Drawn By: J. SMALL Disk: JMS 07-08-2009 21501 Survey Date: 07-07-2009 Sheet Sheets



PROPOSED PIPELINE TO THE JACKSON "B" #48
Sections 1&12, Township 17 South, Range 30 East,
N.M.P.M., Eddy County, New Mexico.

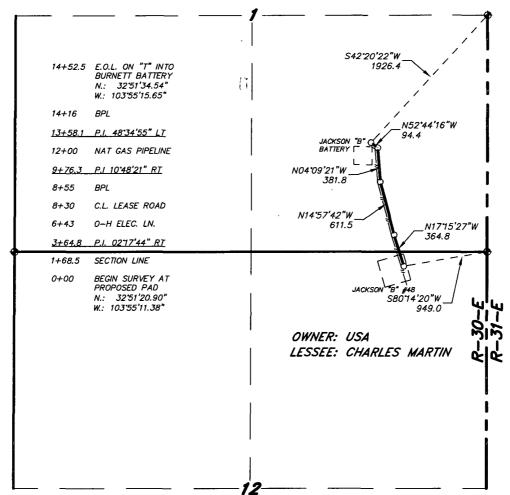


P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393-7316 - Office (575) 392-2206 - Fax basinsurveys:com

W.O. Number:	JMS 21764
Survey Date:	09-23-2009
Scale: 1" = 2	9000
Date: 09-28	-2009

BURNETT OIL COMPANY

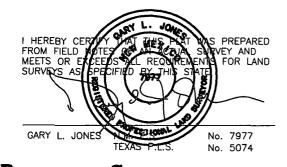
SECTIONS 1&12, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.



LEGAL DESCRIPTION

A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTIONS 1&12, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

SECTION 1 = 1284.0 FEET = 77.82 RODS = 0.25 MILES = 0.88 ACRES SECTION 12 = 168.5 FEET = 10.21 RODS = 0.03 MILES = 0.12 ACRES TOTAL = 1452.5 FEET = 88.03 RODS = 0.28 MILES = 1.00 ACRES



BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 21764 Drawn By: J. M. SMALL

Date: 09-28-2009 Disk: JMS 21764

1000 0 1000 2000 FEET

BURNETT OIL COMPANY

REF: PROPOSED PIPELINE TO THE JACKSON "B" #48

A PIPELINE CROSSING USA LAND IN
SECTIONS 1&12, TOWNSHIP 17 SOUTH, RANGE 30 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

Survey Date: 09-23-2009 Sheet 1 of 1 Sheets



MASTER DEVELOPMENT PLAN BURNETT OIL CO., INC.

ALL VERTICAL CEDAR LAKE YESO/ LOCO HILLS PADDOCK WELLS

FEDERAL LEASE LC029338A, LC029339A, LC030570A, LC055264, LC055958, NM2746, NM2747, NM2748, NM 05067 & NM 074939.

Section 1, 8, 11, 12, 13, 14, 23, 24 & 25, Township 17 South, Range 30 East, Eddy County, N.M.

A: DRILLING PROGRAM

1. Geological Name of Surface Formation

a. Alluvium.....Surface

2. Estimated tops of Geologic Markers & Depths of Anticipated Fresh Water, Oil or Gas:

a. 3	Seven Rivers	.1604'	Oil
b. (Queen	2222'	Oil
c. (Grayburg	2670'	Oil
d. 3	San Andres	2985'	Oil
е. (Glorieta	4460'	Oil
f. '	Total Depth	6000'	

No other formations are expected to yield oil, gas or fresh water in measurable volumes. We will set 10-3/4" casing @ approx. +/- 400' in the Anhydrite, above the Salt and circulate cement to surface. We will isolate the oil zones by running 7" casing to total depth and circulating cement to surface.

3. Casing Program: (ALL CASING WILL BE NEW API APPROVED MATERIAL.)

<u>Hole</u> Size	Interval	OD Csg	<u>Weight</u>	Collar	<u>Grade</u>	<u>Collapse</u> Design Factor	Burst Design Factor	Tension Design Factor
(MW = 1	0 PPG IN D	DESIGN F	ACTOR (CALCUL	ATIONS	5.)		
14-3/4"	0'-400'	10-3/4"	32.75#	ST&C	H40	1.125	1.00	1.80
8-3/4"	0'-6000'	7"	23.00#	LT&C	J55	* 1.125	1.00	1.80



- * 500' of fresh water gradient (.433 psi/ft) fluid will be maintained inside casing to keep SF 1.125. If fluid is not at the surface, the fluid level inside 7" Casing will be determined by wireline to insure a 500' minimum of standing fluid
- 4. Cementing Program (Note Yields and DV Tool Depth if Multiple Stage.)

 BLM WILL BE NOTIFIED TO HAVE THE OPTION TO WITNESS ALL CEMENTING AND TAG

 OPERATIONS.
 - a. **10-3/4" Surface** Cement to surface Lead with 150 sx Class C cement +10% A-10, + 10#/sx LCM-1 1% CaCl, 0.01 gps FP-6L, 14.6 ppg, <u>1.67 CF/Sk Yield.</u> Tail with 500 sks Class C cement + 2% CaCl + 0.01 gps FP-6L.14.8 ppg, <u>1.35 CF/Sx yield.</u> **TOC Surface.**



If cement does not circulate to surface, BLM will be notified of same, plus the plans to bring the cement to surface so BLM may witness tagging and cementing. The plan to bring the cement to surface will be to run 1" and tag top of cement at 0°, 90°, 180° and 270°. Appropriate cement volumes will be pumped through 1" to bring cement to surface. In rare situations where severe lost circulation may exist, BLM may be requested to approve dumping pea gravel then cementing on top of it to the surface through 1".

b. 7" Production Casing

Stage 1 Cement: 550 sks (50:50) Poz (Fly Ash):Class C cement + 2% Bentonite + 0.01 gps FP-6L+ 0.3% FL-52A + 1.2% CD-32 + 5% Sodium Chloride. Yield 1.27 CF/Sx. DV @ approx. 2600'

Stage 2 Cement: Lead with 1800 sks (35:65) Poz (Fly Ash): Class C cement + 6% Bentonite + 5 lbs/sx LCM-1 + 0.125 lbs/sx Cello Flake + .01 gps FP-6L + 5% Sodium Chloride, <u>Yield 1.89 CF/Sx</u>. Tail with 100 sx Class C + 1% CaCl + 0.01 gps FP-6L.14.8 ppg, <u>Yield 1.62 CF/Sx</u>, <u>TOC Surface</u>.

The above cement volumes may be revised pending the caliper measurement from the open hole logs. Casing design is to bring all cement to the surface.

In the event cement does not circulate to surface, the BLM will be notified. A temperature survey will be run. Cement will then be brought to surface by running 1" to tag top of cement and then cement though 1" to bring cement to surface. If top of cement is too deep for running 1", an alternate plan will be developed, including BLM in discussions, to bring cement to surface.

5. Pressure Control Equipment:

The blowout prevention equipment (BOPE) shown in **Drilling Exhibit E** will consist of a 2000 PSI Hydril Unit (annular) with hydraulic closing equipment. The equipment will comply with Onshore Order #2 and will be tested to 50% of rated working pressure (RWP), and maintained for at least 10 minutes. The 10-3/4" drilling head will be installed on the surface casing and in use continuously until total depth is reached. An independent testing company will be used for the testing. Other accessory BOP equipment will include a Kelly cock, floor safety valve, choke lines and choke manifold having 2000 PSI WP rating.

6. Proposed Mud Circulation System

<u>Depth</u>	<u>Mud Wt</u>	<u>Visc</u>	<u>Fluid Loss</u>	Type System
0'-400'	8.6-9.5			Fresh Water
400' - TD' MD	10.0 max.			Brine Water

The necessary mud products for weight addition and fluid loss control will be on location at al times.

7. Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- b. A full opening drill pipe stabbing valve with the appropriate connections on the rig floor at all times.
- c. Hydrogen Sulfide detection and breathing equipment will be installed and in operation at drilling depth of 1800' (which is more than 500' above top of Grayburg) until 7" casing is cemented. An H2S compliance package will be on all sites while drilling.

8. Hydrogen Sulfide Plan and Training:

Based on our area testing H2S at 100 PPM has a radius of 139' and does not get off our well sites. There are no schools, residences, churches, parks, public buildings, recreation area or public within 2+ miles of our area.

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on each well:

- a. The hazards and characteristics of Hydrogen Sulfide (H2S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H2S detectors, alarms, warning systems, briefing areas, evacuation procedures and the prevailing wind.
- d. The proper techniques for first aid and rescue procedures.
- e. ATTACHED HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN DRILLING EXHIBIT A
- f. ATTACHED EMERGENCY CALL LIST FOR ANY ON SITE EMERGENCY DRILLING EXHIBT B.

In addition, supervisory personnel will be trained in the following areas:

- a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in special maintenance requirements.
- b. Corrective action and shut-in procedures when drilling or reworking a well, blowout prevention and well control procedures.
- c. The contents and requirements of the H2S Drilling Operations Plan and the Public Protection Plan (if applicable.)

There will be an initial training session just prior to encountering a known or probable H2S zone (within 3 days or 500 feet) and weekly H2S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H2S Drilling Operations Plan and the Public Protection Plan (if applicable). This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

a. Protective equipment for essential personnel:

1. Mark II Surviveair (or equivalent) 30 minute units located in the dog house and at the primary briefing area (to be determined.)

b. H2S detection and monitoring equipment:

- Three (3) portable H2S monitors positioned on location for best coverage and response. These
 units have warning lights at 10 PPM and warning lights and audible sirens when H2S levels of 15
 PPM is reached. A digital display inside the doghouse shows current H2S levels at all three (3)
 locations
- 2. An H2S Safety compliance set up is on location during all operations.

c. Visual warning systems:

- 1. Wind direction indicators will be positioned for maximum visibility.
- Caution/Danger signs will be posted on roads providing direct access to location. Signs will be
 painted a high visibility yellow with black lettering of sufficient size to be readable at reasonable
 distance from the immediate location. Bilingual signs will be used when appropriate.

d. Mud program:

The mud program has been designed to minimize the volume of H2S circulated to the surface Proper mud weight, safe drilling practices and the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.

e. Communication:

- 1. Cellular Telephone and/or 2-way radio will be provided at well site.
- 2. Landline telephone is located in our field office.

f. Metallurgy:

- 1. All drill strings, casings, tubing, wellheads, Hydril BOPS, drilling spools, kill lines, choke manifold, valves and lines will be suitable for H2S service.
- 2. All elastomers used for packing and seals shall be H2S trim.

9. Logging, Coring and Testing program:

- a. Any drill stem tests will be based on geological sample shows and planned before spudding.
- b. The open hole electrical logging program will be:
 - 1. Total depth to 1000': Dual Laterolog-Micro Laterolog with Compensated Neutron, Spectral Density log with Spectral Gamma Ray and Caliper.
 - 2. Total depth to Surface: Compensated Neutron with Gamma Ray.
 - 3. Coring program will be planned and submitted on a well by well basis.
 - 4. Additional testing will be done subsequent to setting the 7" production casing. The specific Intervals will be based on log evaluation, geological sample shows and drill stem tests.

10. Potential Hazards:

No abnormal pressures or temperatures are expected. There is known H2S in this area. The operator will comply with the provisions of Onshore Oil and Gas Order #6. No lost circulation is expected to occur. All personnel will be familiar with the safe operation of the equipment being used to drill this well. The maximum anticipated bottom hole pressure is 1000#. The maximum anticipated bottom hole temperature is 92°F.

11. Anticipated Start Date and Duration of Operation

Road and location construction will begin after BLM has approved the APD and has approved the start of the location work. Anticipated spud date will be as soon as the location building work has been completed and the drilling rig is available to move to the location. Move in and drilling is expected to take approx 25 days. If production casing is run, an additional 60 days would be required to complete the well and install the necessary surface equipment (pumping unit, electricity, flowline and storage facility) to place the well on production.

B: SURFACE USE PROGRAM

1. EXISTING ROADS:

- a. The well site and elevation plat for the proposed well are reflected on the well site layout; Form C-102. This well was staked by Basin Surveys or John West Survey.
- b. All roads into the location are shown on the Vicinity Map (Surface Exhibit A.)
- c. Directions to location: from intersection of US Hwy #82 and Square Lake (CR 220) go north on CR 220 and follow Surface Exhibit A2 to the proposed well pad.

2. New or Reconstructed Access Roads:

- a. The well site layout, Form C-102 and Surface Exhibit A1 & A2 show the existing area. Any additional required access road will be shown on Surface Exhibit A2 and Exhibit B.
- b. All construction material will be native caliche. It may be available at the proposed location. If unavailable on location or road, caliche will be hauled from nearest BLM approved caliche pit.

3. Location of existing wells:

See the attached Surface Exhibit B plat showing all wells within a ½ mile radius of the proposed well site.

4. Location of existing and/or proposed production facilities:

See Surface Exhibit B, C and C1 for the location of existing on lease Tank Battery facility on the Federal Lease.

- a. This battery is on the federal lease and may be an above ground commingled Grayburg/Cedar Lake Yeso or Loco Hills Paddock production facility.
- b. The well site will require electricity for the prime mover. We will contact The electric cooperative to provide the electric power poles and the electric line from their nearest connection. The routing and pole placement will be provided in their ROW application. All electrical installation will be done in accordance with all existing state and federal regulations.
- c. All flowline from the new well pad site is on the Federal lease. (See Surface Exhibit B, C and C1 plat.) The required flowline will be laid, above ground, along existing road and flowline routing. All flowline will be 3" or 4" poly pipe.

5. Location and Type of Water Supply:

All water to be used in drilling this well will be brine or fresh water transported by truck over existing and above proposed lease road from Loco Hills, New Mexico or produced water furnished from our existing waterflood facilities in the area. We may install a pump and lay a **temporary** 2" poly line on the lease from the battery to the rig for this drilling water.

6. Construction Materials:

All construction material for the roadway and drilling pad will be native caliche from the nearest BLM approved pit or from existing available deposits found on the location. All will be in accordance with the drilling stipulations for this well.

7. Methods of Handling Waste Disposal:

- a. Drill cuttings will be disposed of in a closed loop system using steel haul off tanks. All drilling fluids will be hauled off location to a contracted off lease disposal location.
- b. Trash, waste paper, garbage and junk will be placed in a portable, screened trash container on location. All trash and debris will be transported to an authorized off-lease disposal station within 30 days following the completion activities.
- c. A properly maintained Porto-john will be provided for the crews during drilling and completion operations. All will be removed after all completion operations have ended.
- d. Oil produced during testing will be put into steel storage tank for later sales.
- e. Water produced during testing operations will be put in the steel frac. tanks pit until well is turned to the lease tank battery. All produced water will be disposed of through one of our approved disposal methods.
- 8. Ancillary Facilities: There are no planned ancillary facilities for this well.

9. Well Site Layout:

. Surface Exhibit D shows the relative location and dimensions of the drilling pad and related components. Only minor differences, if any, in length and/or width of the drilling pad are anticipated, depending on which drilling contractor is selected to drill the well. Only minor leveling of the drilling site is anticipated.

10. Plans for surface Reclamation:

- a. After drilling and successful completion operations are finished, all equipment and other materials not required for normal production operations will be removed.
- b. The pad size will be reduced to the amount required for normal operation of the producing well. This reduced portion will be restored to the BLM stipulations in section a.
- d. If a well is abandoned, the surface location and unneeded road will be restored according to BLM stipulations within 90 days of final abandon and sit re-seeded with BLM (B) seed mix.

11. Surface ownership:

All lands are owned by the U.S. Government and is administered by the Bureau of Land Management. The surface is multiple uses with the primary use of the region for the production of oil and gas and the grazing of livestock.

12. Other information:

- a. The area surrounding the well site is grassland. The area is relatively flat with small hills and sand dunes. The topsoil is fine, deep sand underlain by caliche. Vegetation cover is generally sparse and consists of mesquite, yucca, shinnery oak and sparse native grasses. Wildlife in the area includes deer, coyotes, rabbits, rodents, reptiles, dove and quail.
- b. No permanent or live water is found in the general proximity of this area.
- c. No dwellings are found within two (2) miles of this location.
- d. There is intermittent cattle grazing and hunting in the area; however, the principal land use is for oil and gas production.
- e. An archaeological clearance report from <u>Boone Archaeological Services</u> will be sent to the BLM office in Carlsbad, N.M.

13. Bond Coverage:

Current Bond is BLM Bond # NMB000197. The Surety Bond is #B000863. Both are effective May 21, 2004 and remain in place.



BURNETT OIL CO., INC. OPERATOR CERTIFICATION ALL VERTICAL CEDAR LAKE YESO/ LOCO HILLS PADDOCK WELLS, GRAYBURG SAN ANDRES WELLS

FEDERAL LEASE # LC029338A, LC029339A, LC030570A, LC055264, LC055958, NM2746, NM2747 NM2748, NM05067 & NM074939

Section 1, 8, 11, 12, 13, 14, 23, 24 & 25, Township 17 South, Range 30 East, Eddy County, N.M.

Operator's Representative:

Burnett Oil Co., Inc. field representative responsible for compliance with the approved surface use and operations plan is:

Mr. Belton Mathews, District Supt.

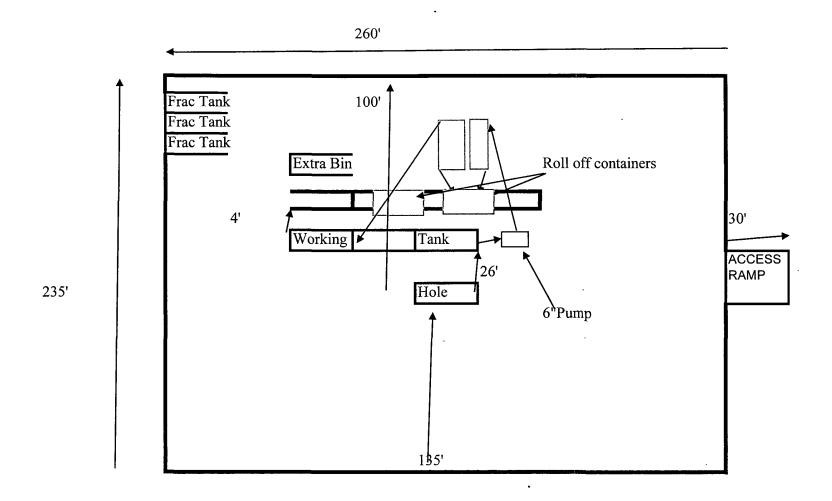
P.O. Box 188

Loco Hills, New Mexico 88255 Office phone: (575) 677-2313 Home phone: (575) 746-8647 Cellular phone: (575) 703-9601

I hereby certify that I, or persons under my direct supervision have inspected the drill site and access route; that I am familiar with the conditions that currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Burnett Oil Co., Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: 10/01/2009

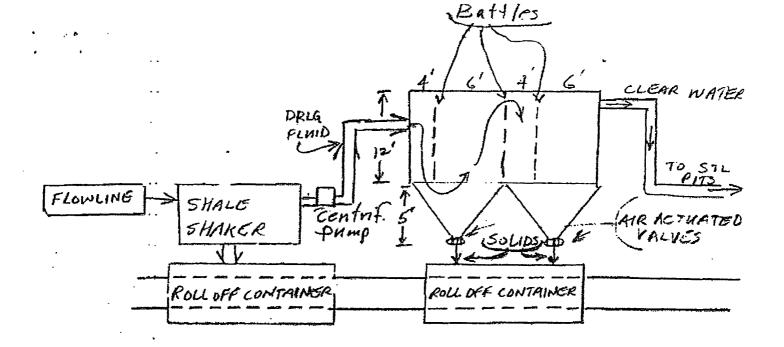
Mark A. Jacoby



BURNETT OIL CO., INC.

PROPOSED DRILL SITE LAYOUT

JACKSON B #48 SURFACE EXHIBIT D



OPERATIONAL \$ MAINTENANCE

DRILLING FLUIDS FROM THE WELLBORE WILL GO THROUGH FLOWLINE ACROSS SHALE SHAKER. SOLIDS WILL DROP INTO ROLL-OFF CONTAINERS WITH BAFFLES AS DRAWN ABOVE. BAFFLES SLOW FLUID VELOCITY TO ALLOW SOLIDS TO FALL DOWN THROUGH 6" AIR AIR ACTUATED VALVES INTO ROLL-OFF CANTAINERS. CLEAN WATER GOES OUT BACK TO THE DRILLING FLUID STEEL PITS. SOLIDS ARE HAULED TO DISPOSAL. ANY LEFTOVER LIQUID WILL BE HAULED TO DISPOSAL.

BURNETT OIL CO., INC.

Operations and Maintenance

Closed Loop equipment will be inspected daily by each tour and any necessary maintenance performed. Any leak in system will be repaired and/or contained immediately.

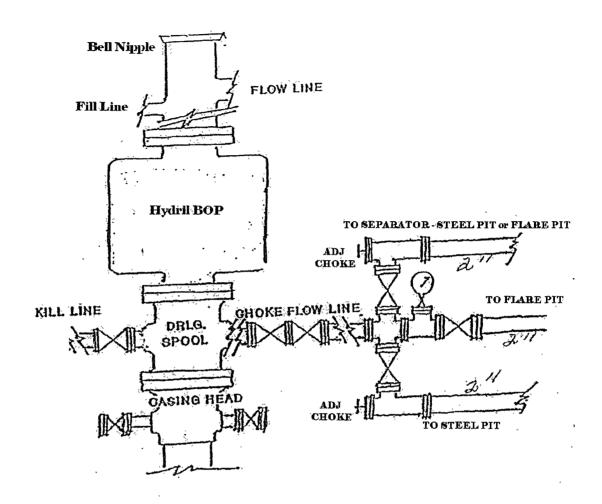
OCD notified within 48 hours

Remediation process started

Closure Plan

During drilling operations all liquids, drilling fluids and cutting will be hauled off via CRO (Controlled Recovery Incorporated Permit R-9166.)

Blowout Preventor & Choke Manifold Diagram For Closed-Loop System 2000 Psi Working Pressure Series 600 Flanges



Flare Line 150 ft From Wellhead Ignition By Remote Source

BURNETT OIL COMPANY INC.

JACKSON B #48 SURFACE EXHIBIT D1



BURNETT OIL CO., INC. EMERGENCY NOTIFICATION LIST

Burnett's New	Mexico Office		(575) 677-2313
Belton Mathev	vs BOCI District Superintendent	CELL	(575) 703-9601
BURNETT OIL	HOME OFFICE (817) 332-5108		
Mark Jacoby	BOCI ENGINEERING MANAGER	CFLL	(817) 312- 2751

EDDY COUNTY SHERIFF	911	OR	(575) 746-9888
NEW MEXICO STATE POLICE			(575) 746-2701

Loco Hills Fire Department (VOLUNTEER ONLY)	911	OR	(575) 677 2349
For Medical and Fire	(575)	746-2	2701 (ARTESIA)

Flight for Life Air Ambulance	(LUBBOCK)	(806) 743-9911
Aerocare Air Ambulance	(LUBBOCK)	(806) 747-8923
Med Flight Air Ambulance	(ALBUQ)	(505) 842-4433
S B Med Svc Air Ambulance	(ALBUQ)	(505) 842-4949

US Bureau of Land Management Carlsbad	(575) 361-2822	(575) 234-5972
New Mexico Oil Conversation Division	ARTESIA	(575) 748-1283
New Mexico Emergency Response Commission	24 HR	(575) 827-9126
New Mexico State Emergency Operation Center		(575) 476-9635
Local Emergency Planning Committee (Artesia)		(575) 746-2122
National Emergency Response Center (Washing	ton, DC)	(800) 424-8802

Boots & Coots IWC	(800) 256-9688
Cudd Pressure Control	(432) 570-5300
Halliburton Svc	(575) 746-2757
B J Svc	(575) 746-2293

THIS MUST BE POSTED AT THE RIG WHILE ON LOCATION.

Burnett Office 87 SQUARE LAKE ROAD (CR #220), Loco Hills, New Mexico 88255 (Loco Hills, New Mexico (2 MILES East of Loco Hills On US Hwy 82 TO C#220 Then North On CR# 220 Approx One Mile To Office.).

JACKSON B #48
DRILLING EXHIBIT A

HYDROGEN SULFIDE (H2S) CONTIGENCY PLAN

ASSUMED 100 PPM ROE = 3000'

Emergency Procedures

In the event of a release of gas containing H2S, The first responder(s) must

- * Isolate the area and prevent entry by other persons into the 100 PPM ROE.
- * Evacuate any public places encompassed by 100 PPM ROE.
- * Be equipped with H2S monitors and air packs in order to control release.
- * Use the "buddy system" to ensure no injuries occur during the response.
- * Take precautions to avoid personal injury during this operation.
- * Have received training in the following:
 - 1. H2S detection
 - 2. Measures for protection against this gas
 - 3. Equipment used for protection and emergency response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO2.) Intentional ignition must be coordinated with the NMOCD and local officials. Additional the New Mexico State Police may become involved. NM State Police shall be the incident command on scene of any major release. Take care to protect downwind whenever there is an ignition of gas.

Characteristics of H2S and SO2

Citalacteris	ucs of fize a	iia ooz			
Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H2S	1.189 Air =1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO2	2.21 Air = 1	2 ppm	NA	1000 ppm

Contacting Authorities

Burnett Oil Co., Inc. personal must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind and direction, location of release, etc. Be sure all is written down and ready to give to contact list (Drilling Exhibit A.) Directions to the site are below. Burnett's response must be in coordination with the State of New Mexico's Hazardous Materials Emergency Response Plan.

Burnett Office 87 SQUARE LAKE ROAD (CR #220), Loco Hills, New Mexico 88255 (Loco Hills, New Mexico (2 MILES East of Loco Hills On US Hwy 82 TO C#220 Then North On CR# 220 Approx One Mile To Office

BURNETT OIL CO., INC.

9/22/2009

DRILLING EXHIBIT B (JACKSON B #48)

PECOS DISTRICT CONDITIONS OF APPROVAL

	The second secon
OPERATOR'S NAME:	Burnett Oil Co.
LEASE NO.:	
WELL NAME & NO.:.	48 Jackson B
SURFACE HOLE FOOTAGE:	330' FNL & 990' FEL-
BOTTOM HOLE FOOTAGE	FL&; FL
LOCATION:	Section 12, T. 17 S., R. 30 E., NMPM 1997 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
COUNTY:	Eddy County, New Mexico

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Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist of special COAs are required, the section with the deviation or requirement will be checked below.

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1. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders. Notices To Lessees. New Mexico Oil Conservation Division (NMOCD) Rules. National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV: NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Oil and gas activities including 3 D geophysical exploration, and drilling will not be allowed in lesser prairie-chicken habitat during the period from March 1st through June 15th annually. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 am and 9:00 am. The 3:00 am to 9:00 am restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during this period. Additionally, no new drilling will be allowed within up to 200 meters of leks known at the time of permitting. Normal vehicle use on existing reads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 ft. from the source of the noise.

Ground-level Abandoned Well Marker to avoid raptor perching: Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate containing the pertinent information for the plugged well. For more installation details, contact the Carlsbad Field Office at 575-234-5972.

Surface Pipeline Removal: An abandoned steel surface pipeline will need to be removed and discarded properly during the time of well pad construction or flow line installation. The abandoned pipeline is located as follows:

The abandoned steel flow line originates at the Grayburg Jackson SA #38 well location and travels north along an overhead electric line until it reaches the Jackson B #19 well location. Then the flow line will travel northwest to the Jackson B #5 Tank Battery. The total length of steel pipeline that needs to be removed is about 2,060 feet. See attachment of flow line photograph.

The entire length of abandoned pipeline should be removed during construction, but the company has until 30 days after flow line installation to remove the pipeline. This removal will lessen the visual impacts of surface pipelines in the area.

V-door: East

VI. CONSTRUCTION

A. : NOTHICATION

The ULM shall admin see compliance and monitor Construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5972 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available apon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. - CLOSED LOOP SYSTEM

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (575) 234-5972.

EN WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. TON LEASE ACCESS ROADS

Road Wich

The access food shall have a driving surface that creates the smallest possible surface disturbance and does not exceed foration (14) feet in width. The maximum width of surface disturbance, when constructing the access road shall not exceed thirty (30) feet.

Surfacing

Surfacing majorial is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation:

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, crodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

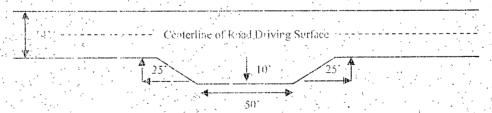
Ditching

Ditching shall be required on both sides of the road.

Turbouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

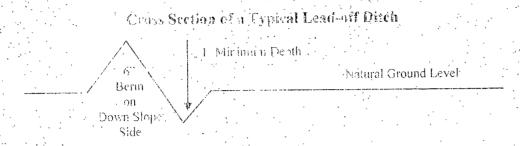
Standard Turnout - Plan View



Drainage.

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill oursleping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead off ditch has a minimum depth of I foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditcheslope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - Ou a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope:
$$\frac{400'}{4\%}$$
 + 100' = 200' lead-off ditch interval

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

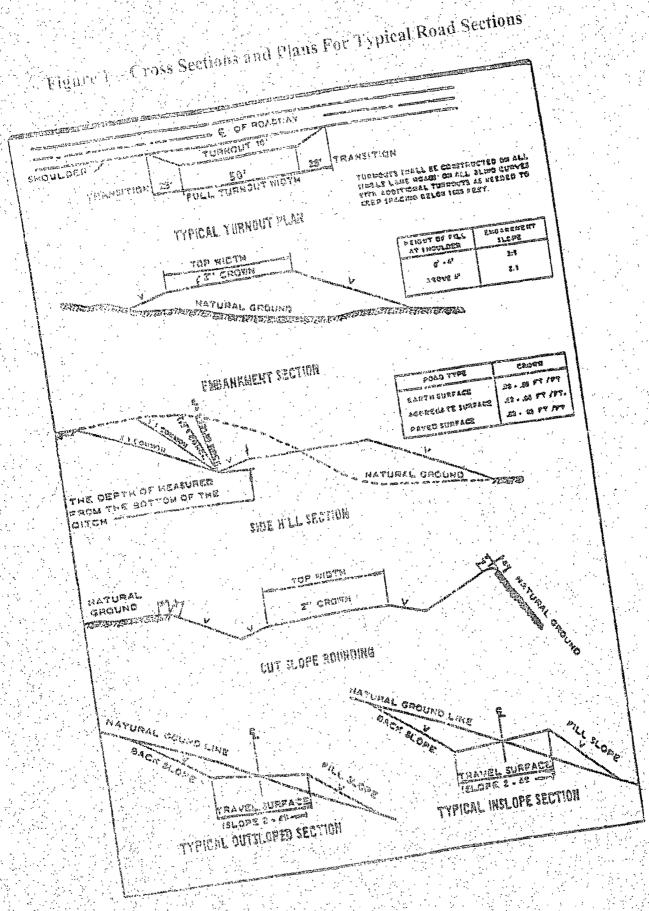
Fence Requirement

Where entry is unjuned across a fence lime, the fence shall be braced and tied off on both, sides of the passageway prior to outling.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any force(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.



VII. DRILLING

A: 2 DRILLEING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of a hours in advance for a representative to witness:

- a: Spudding well
- b. Setting and/or Cementing of all casing strings
- e. ABOPF rests

Eddy County

Call the Carlsbad Field Office, 620 East Greene St. Carlsbad, NM 88220, (575) 361-2822

- 1 A Hydrogen Sulfide (H2S) Drilling Plan should be activated 500 feet prior to drilling into the Grayburg formation. As a result, the Hydrogen Sulfide area must meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.
- 2. Unless the production easing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. The record of the drilling rate along with the CAL/GR/N well log run from TD to surface will be submitted to the DLM office as well as all other logs run on the borehole 30 days from completion. It available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface easing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin. 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing strings for details regarding lead cement slurry requirements.

No pen graver psymitted for remedial or fall back remedial without prior authorization from the BLM engineer.

Possible water flows in the Salado and Artesia Groups. Possible lost circulation in the Grayburg and San Andres Formations.

The 40-3/4 inch surface easing shall be set at approximately 400 feet (a minimum of 25 feet have the Rustler Anhydrite and above the sait) and cemented to the surface

- as For the surface easing: If comen does not circulate to the surface, the appropriate BLM office shall be notified and a tag with 12 will be performed at four positions 90 degrees apart to verify cement depth. BLM Petroleum Engineer Technician to without ugs. If depth is greater than 100° or water is standing in the annulus, remedial comenting will be done. If no water and TOC tag is less than 100°, when 160% excess cement of the annulus volume was run on the primary job, ready mix can be used to bring cement to surface.
- b. Wait on coment (WOC) time for a primary coment job is to include the lead coment slurry.
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after oringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. We cerient falls back, remedial comenting will be done prior to drilling out that string.

The 7 inch production easing must be kept liquid filled while running into hole to meet minimum RLM requirements for collapse.

2	` T	he.n	oimina	iditec	iuii sa	fillof	cement	behind	the 7	inch	produ	ction	casing	is:	•
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٠,		a T		100		$\mathcal{L}_{i}(t,t)$	- ` ' • • • • •		4650	rifire Karbij		-			,

Cement to circulate: If cement does not circulate; contact the appropriate ELM office before proceeding with second stage cement job.

by Second stage above DV tool, cement shall:

Cement to surface. If cement does not circulate, contact the appropriate BLM

If narcibon i drill sipe is rotated inside casing, /cturns will be monitored for metal. If a contact is found in samples, drill pipe will be pulled and subser protectors which have a darger diagnose than one tool joints of the drill pipe will be installed prior to continuing willing operations.

C. PRESSURÉ CONTROL

- 1. FAll blows in preventer (BOP) and related equipment (BOPE) shall comply with well recontrol requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53. Sec. 1.175
- 2.5 Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 2000 (2M) psi.
- 3. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests."
 - a. The kists shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. All tests are required to be recorded on a calibrated test chart. A copy of the BIP/GOPE test chart and a gopy of independent service company test will be submitted to the appropriate BLM office.
 - d.) The BOP/BOPE test shall include a low pressure test from 250 to 300 psi.

 The test will be held for a minimum of 10 minutes if test is done with a test pluggiand 30 minutes without a test plug.

D. . DRHULSTEM TEST

If drill stein rests are performed. Onshore Order 2.III.D shall be followed.

CRW 1103419.

VIII. PRODUCTION (POST DRILLING)

A. J. WELL STRUCTURES & FACULTIES.

Placement of Production Tacilities

Production facilities should be placed on the well pad to allow for maximum interiming and appreciation of the well-location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color.

Shale Green, Mansell Soil Color Chart # 5Y 4/2.

B. . PIPELIMES

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

A copy of the Sundry Notice and attachments, including stipulations, survey plat and/or map, will be an incation during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

- 1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
- 2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter energies or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities at their red under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated hiphenyls, 40 CFR 761.1-761.193.) Additionally any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b. A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized office concurrent with the filing of the reports to the involved Federal agency or State government.
- 3. The holder acrees to indemnify the United States against any liability arising from the

Comprehensive Javironmental Response. Compensation and Liability Act of 1980, 42 × U.S.C. 960k, alsequental Response. Compensation and Liability Act of 1980, 42 × U.S.C. 960k, alsequental Resource Conservation and Recovery Act, 42 U.S.C. 6901, et sequent on the Right of Way (unless the telease or threatened release is wholly unrelated to activity of the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.

- 4. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to distandard of strict diability for damage or injury to the United States resulting from pipe rupture, fire, or spill's caused or substantially aggravated by any of the following within the right-of-way or permit area:
- a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.
- b. Activities of other parties including, but not limited to:
 - (1) Land clearing
 - (2). Farth-disturbing and earth-moving work.
 - (3) Blasting.
 - (4) Vandalism and sabotage.
- c. Acis of God.

The maximum invitation for such strict liability damages shall not exceed one million dollars (\$1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligen, acts or omissions of the United States.

5. If during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil salf water or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, water, or other pollutant, wherever found shall be the responsibility of the holder, recardless of fault. Upon failure of the holder to control, dispose of, or clean up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom cardle Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the areas including, where appropriate, the account environment and fish and wildlife habitats, at the full expense of the helder. Such action by the Authorized Officer shall not relieve the holder of any responsibility as provided forein.

- feet. 14 feet of the right-of-way width will be 25 feet. 14 feet of the right-of-way width will consist of existing disturbance (existing lease roads and flow line rights-of-way) and the remaining 11 feet will consist of area adjacent to the disturbance. All construction and maintenance active will be confined to existing roads and surface flow line rights of ways
- 7. No blading or clearing of any vegetation will be allowed unless approved in writing by the Authorited Officer
- 8. The holder sholl install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky of duney areas, the pipeline will be "snaked" around hummocks and dunes rather then suspended across these features.
- 9. The pipeline shall be buried with a minimum of <u>24</u> inches under all roads, "two tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.
- 10. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence bine, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.
- 11. In those areas where erosion control structures are required to stabilize soil, conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.
- 12 Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" Shale Green, Munsell Soil Color No. 5V 4/2; designated by the Rocky Mountain Five State.

 Interagency Committee.
- 13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a degible condition for the life of the pipeline.
- 14. The holder shall not use the pipeline route as a road for purposes other than routine analytenance as determined necessary by the Authorized Officer in consultation with the

holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not itself as a foodway.

- discovered by the holder or any-person working on his behalf, on public or Federal land shall be immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.
- . 16. Special Stipulations; Flow Line, Route /
 - The flow line shall only be installed adjacent to existing roads and adjacent to existing surface flow lines.

IX. INTERPRECUAMATION & RESEDING PROCEDURE

A.T. TINTERIM RECUMMATION

If the well is a conducer, injurim reclamation shall be conducted on the well site in caccordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form \$160-5, prior to conducting the interim reclamation

During the life of the development, all disimbed areas not needed for active support of production operations should-undergo interim (columnation in order to minimize the environmental impacts of development on other resources and uses.

The operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial content operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the proviously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegented. Communicate with the appropriate BLM office for any exception s/exemptions if needed.

B. RESEADING PROCEDURE

Once the well is drilled, all completion procedures accomplished and all trash removed, resect the location and all surrounding disturbed areas as follows:

Seed Mixture for LTC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be no prepary or secondary notions weeds in the seed mixture. Seed will be tested use the viability testing of seed will be done in accordance with State lawts) and within pine (9) months prior to purchase. Commercial seed will be either condition will be tagged in accordance with State lawts) and available for inspection by the authorized officer:

Seed will be planted using a drift equipped with a depth regulator to ensure proper depth of planting whose drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and me planted first). The holder shall take appropriate measures to ensure this does not occur. Where cribing is not possible, seed will be broadcast and the area shall be raked a chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubted. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

Species had hadre
Planis Bridlegrass / Slbs/A
Sand-Huggem / Silver 5lbs/A
Little Hirestem 19 31bs/A
Big Bluestom 18 1 161bs/A
Plains Corcopsis
Sand Dropseed 👉 🚽 🗧 libs/A

^{**}Four-winged Saltbush

51158/A

Pounds of seed a percent purity x percent germination = bounds pure live seed

^{*} This can be used around well pads and other areas where caliche cannot be removed.

^{*}Pounds of pane live seed.

X. FINAL ABANDONMENT & RCHABILITATION REQUIREMENTS

Upon abandon from of the well and/or when the access road is no longer in service the Anthorized Officer shall lesse instructions and/or orders for surface reclamation and restoration of officialistic bed areas

Upon the plugging and subsequent abandonment of the well, the well marker will be installed at ground level on a plate communing the pertinent information for the plugged well.

On private surface/federal mineral estate and the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.

Surface Flow Lane in Need of Removal

