24.

1a. TTPE OF WORK	DEPARTMEN	LAND MANA	Aven NGERIOF DEEPEN,	OR PLUC	estructions rese side)	Expires August 5. LEASE DESIGNATION NMLC02933 6. IF INDIAN, ALLOTTE	No. 1004-0136 131, 1985 AND SERIAL NO. 9A 8 OR TRIBE NAME		
b. TITE OF WELL	ELL OTHER		SINGLE		DETIPLE [S. FARM OR LEASE NA	20767		
2. NAME OF OPERATOR	ELL OTHER		ZONE	<u> </u>	'AL C	JACKSON	A		
BURNETT OIL	CO., INC (817/	332-5108)	3080			9. WELL NOW	34457		
3. ADDRESS OF OPERATOR				a	6831	#28 (API# 30-01			
- 801 CHERRY S	TREET, SUITE 1500	, FORT WORTH	1, TEXAS 7	6102 <u>/</u>	<u>4821</u>				
4. LOCATION OF WELL (R. At surface	eport location clearly and	In accordance wit	th any State r	edanemetri C	FiAÈÙ				
UNI.	ГВ, 990' FNL, 1650	' FEL		ñëa	¥ 000r	11. SEC., T., R., M., OR AND SURVEY OR A	BLK. Rea		
At proposed prod. zon	SAME AS S	URFACE			_ 1 2005 ABTES	SEC 13, T17S,	R30E		
14. DISTANCE IN MILES					- 1.3 B. A. A.	12. COUNTY OR PARISH	13. STATE		
APPROXIMATE	ELY 6 MILES EAST C	F LOCO HILLS	NEW MEX	(ICO		EDDY	NM		
15. DISTANCE FROM PROPO LOCATION TO NEAREST			16. NO. OF	ACRES IN LEAS	z 17.	NO. OF ACRES ASSIGNED TO THIS WELL			
PROPERTY OR LEASE L (Also to nearest drig	INE, FT.	330' 560				40			
18. DISTANCE FROM PROP	OSED LOCATION*		19. PROPOSE	D DEPTH	20.	ROTARY OR CABLE TOOLS			
TO NEAREST WELL, DO OR APPLIED FOR, ON THE		330'		5400'		ROTARY			
21. ELEVATIONS (Show who	ther DF, RT, GR, etc.)					22. APPROX. DATE WO	RE WILL START		
3752' GR						JANUARY 12	2, 2006		
23.	F	ROPOSED CASII	G AND CEM	ENTING PRO	OGRAM	Roswell Controlled	Water Basin		
SIZE OF HOLE	BIZE OF CASING	WEIGHT PER P	00T I	SETTING DEPTH		QUANTITY OF CEME	and the second s		
14 7/8"	9 5/8"	32.30#		500 400	/ +/-	400 Sks(Circ. to Surf	ace) WITHES		
8 3/4"	7"	23#		5390'	+/-	1500 Sks in 2 Stages			
	•				(lf	water flows are end	countered		
•		,	I		' ce	menting program r	nay vary.)		

A 14 7/8" hole will be drilled to Rustler Anhydrite. We will set 9 5/8" casing @ this depth & cement to surface. After a 18 hour cement wait, casing & BOP will be tested before drill out of the shoe. An 8 3/2 hole will be drilled to approx. 5400' to effectively test the Cedar Lake Yeso interval. The 7" casing will be run and set @ TD and cemented to 600' above highest potential producing horizon(approx. 2 We will perforate and treat productive intervals as recommended by service company.

This well has been previously approved with archaeological study, but was never drilled. See attached approved permit and archaeological study.

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

productive some and proposed new productive 200 pre

e. If proposal is to drill or deepen directionally, give perfector program, if any.			
SIGNED Stelling landlys	PETROLEUM ENGINEER		0.25.05
(This space for Federal or State office use)			
PERMIT KO.	APPROVAL DATE		·
APPROVED BY /S/ Joe G. Lara	FIELD MANAGER	DATE	NOV 3 0 2005
CONDITIONS OF APPROVAL, IF ANY:		APPROVAL	FOR 1 YEAR

Hobbs, NM 88241-1980

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised February 10, 1994 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

RICT II Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

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

P.O. BOX 2088, SANTA PE, N.M. 87504-2088

DISTRICT IV

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

Te, New Means of the Market

☐ AMENDED REPORT

30-015-3	3340 96831	CEDAR LAKE YESO			
Property Code 20767		Property Name JACKSON A			
0GRID No. 22388	-	erator Name OIL COMPANY	Elevation 3752'		

Surface Location

-	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	В	13	17-S	30-E		990	NORTH	1650	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
Dedicated Acres Joint or Infill Consolidation Code				Code Or	der No.			<u> </u>	<u> </u>	

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



DRILLING PLAN

BURNETT OIL CO., INC.
LEASE NO.LC 029339A

JACKSON A LEASE, WELL NO.28

UNIT LETTER B

990' FNL, 1650' FEL

SECTION 13, TOWNSHIP 17 SOUTH, RANGE 30 EAST
EDDY COUNTY, NEW MEXICO

(A) DRILLING PROGRAM

(1) Estimated tops of geologic markers:

Alluvium....Surface
Anhydrite.....272'
Salt.......500'
Base Salt....1290'
Yates.....1383'
Seven Rivers...1718'
Grayburg....2705'
San Andres...3025'
Glorieta....4325'

(2) Estimated depths of producing formations:

Fresh water.....None
Saltwater flows... (?)*
Oil and Gas.....1383'**,2705'**

- * As waterflows, if any, are encountered, their depth will be recorded, and drilling will continue to total depth. Multiple stage cementers will be placed in the production casing string to enable us to confine the waterflows to their respective depths by cementing.
- ** Oil and gas bearing zones, if any, will be determined by log analysis, and will be confined by cementing; subsequently perforated, stimulated and produced in a conventional manner.

(3) Blowout Preventer Specifications:

A 2000 PSI Hydril unit with hydraulic closing equipment. (See Exhibit E schematic). The preventer will be tested before drilling out below surface pipe setting depth. The exact description of the preventer and related equipment will depend on the successful contractor, who has not yet been selected. No high pressure hydrocarbon zones are anticipated.

(4) Supplementary drilling equipment information:
Not available at this time.

(5) Supplementary casing program information:

- a. Surface casing: Surface casing will consist of new 9-5/8" OD 32.30# H40 OR 36# J-55 ST&C R3 pipe and will be run into a 14-7/8" hole with notched Texas Pattern shoe on bottom, insert float valve in first collar, Two(2) centralizers around shoe joint and first collar. Bottom three (3) joints will be thread locked. Setting depth will be +/- 475'in the Rustler Anhydrite, depending on where a suitable casing seat can be found. Cement will be circulated back to the surface. Initial cement volume will be calculated to be 100% excess of the calculated annular volume between the 9-5/8" casing and the hole. If circulation of cement to the surface is not achieved due to lost circulation, we would like permission (without having to call BLM) to fill this annular space using sufficient rat hole mix to bring cement to surface per BLM specification. Eighteen (18) hours WOC will be allowed as per NMOCD. Casing will be tested to 1000 PSI before drilling out.
- b. Production casing: Production casing will consist of new 7" OD 23# J55 R3 8rd LT&C pipe being run to total depth with float shoe on bottom, float collar in first collar, centralizers throughout intervals and above and below any multiple stage cementers, and be cemented with sufficient volume to bring top of cement 600' above the top of the highest potential producing horizon. If water flow is encountered, we will cement from TD back to the stage cementer, open stage cementer, cement from stage cementer with sufficient volume of Class C or equivalent to bring cement up to at least 600' above the highest potential producing horizon, then balancing hydrostatic weight of the cement by adjusting the flow of water to surface through the 7" casing, enabling the 2nd stage of cement to set up. Casing will be shut in after twelve (12) hours. If there is no flow of water to surface around the 5-1/2" casing, we will cement the water flow proper through the stage cementer with +/- 900 sacks. In case the 2nd stage is not successful in shutting off any annular flow, we will repeat the 2nd stage until successful. After drilling out and testing the casing to 2000 PSI, a cement bond log will be run to evaluate the cement job.
- (6) <u>Mud program:</u> Native mud (red beds and shale) will be used to total depth. The surface hole will be drilled with fresh water and lost circulation materials as needed. The remaining hole will be drilled with brine water with necessary additives.
- (7) Logging program: If no water flow(s) are encountered, we will run Neutron Litho density-DLL logs. If water flow(s) are encountered, no open hole logging will be attempted, and after casing is set, cased hole GR/CN logs will be run. No other testing or coring is anticipated.

- (8) Abnormal pressures or hazards: No abnormal pressures or potential hazards are anticipated. The maximum anticipated bottom hole pressure is 1000#. The maximum anticipated bottom hole temperature is 91°F.
- (9) Other facets of the operation to be pointed out: None.

(B) HYDROGEN SULFIDE DRILLING PROGRAM

(1) Hydrogen Sulfide Training

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 this 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 prevailing wind.
- d. The proper techniques for first aid and rescue procedures.

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 their 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 wellsite. All personnel will be required to carry documentation that they have received the proper training.

(2) H2S SAFETY EQUIPMENT AND SYSTEMS

Note: all H2S safety equipment and systems will be installed, tested and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S.

a. Well Control Equipment:

- 1. Choke manifold with a minimum of one remote-controlled choke.
- 2. Blind rams and pipe rams to accommodate all pipe sizes with a properly sized closing unit.

b. 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.)
- c. H2S detection and monitoring equipment:
- 1. Three(3) portable H2S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 PPM are reached.

d. Visual warning systems:

- Wind direction indicators will be positioned for maximum visibility.
- 2. Caution/Danger signs shall 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.

e. Mud program:

1. 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.

f. Metallurgy:

- 1. All drill strings, casings, tubing, wellheads, 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.

g. Communication:

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

h. Well testing:

1. Drill stem testing may be done in this well bore. Completion testing, if required, will be conducted under the same applicable H2S guidelines that were used in drilling.

(C) SURFACE USE PROGRAM

- (1) Existing roads: Exhibits A, B and C show maps of the general area. From Loco Hills, New Mexico, go east on U.S. Highway 82 approximately 4.9 miles. Turn north on CR #221(Skelly road) and go approximately 1.5 miles. Turn west onto the location.
- (2) Access roads to be constructed: This location will not require any additional lease road into the well pad. See Exhibit A.
- (3) Location of existing wells: See Exhibit A.
- (4) Location of existing or proposed production facilities:

 See Exhibit A for location of existing Jackson A production facility on the lease. We propose to above ground commingle this Cedar Lake, Yeso production with the existing Yeso & Grayburg production by laying approximately 4950'of new flowline.

 Approximately 500' will be a new route. The balance will be along an existing flowline to the existing Jackson A (Yeso) Tank Battery.
- (5) Location and type of water supply: All water to be used in drilling the well will be brine or fresh water trucked from Loco Hills, New Mexico or fresh or produced water furnished by our waterflood facilities.

- (6) Construction materials: Construction material will be caliche which may be available at the proposed location. If not available on location or road, caliche will be hauled from nearest approved caliche pit.
- (7) Methods of handling waste disposal: Drill cuttings will be disposed of in the lined reserve drilling pit. Auxiliary emergency water containment pits may be necessitated by large volume water flows and these pits, which will hold only water, will not be lined. All drilling fluids will be allowed to evaporate after drilling is completed, at which time pits will be back filled, leveled and reseeded. 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 disposal station within 30 days following completion activities. Oil and/or water produced during testing operations will be stored in steel tanks until either sold or disposed of through one of our approved disposal methods.
- (8) Ancillary Facilities: There are no planned ancillary facilities.
- (9) Well site layout: 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 restoration of the surface:

- (a) After drilling and successful completion operations are finished, all equipment and other materials not required for normal production operations will be removed. Pits will be backfilled, leveled and re-seeded. Well site will be left in a neat condition.
- (b) Any unguarded pits containing fluid will be fence until backfilled.
- (c) After abandonment of the well, surface restoration will be in accordance with regulations of the SMA. Pits will be backfilled and location will be cleaned. The pit area, well pad and all unneeded access roads will be ripped to promote revegetation. Rehabilitation should be accomplished within 90 days after abandonment.
- (11) Surface ownership: All lands are Federal.

- (12) Other information: The topography of the area is relatively flat, with small hills and sand dunes. The soil is fine, deep sand underlain by caliche. Vegetation cover is generally sparse and consists of mesquite, yucca, oak shinnery and sparse native grasses. Wildlife in the area is typical of that of semi-arid lands and includes coyotes, rabbits, rodents, reptiles, dove and quail. There are no ponds, streams or residences in the area. There is intermittent cattle grazing and hunting in the area; however, the principal land use is for oil and gas production. An archaeological clearance report will be sent to you by a BLM approved archaeological service.
- (13) Operator's representative: Our field representative responsible for compliance with the approved surface use and operations plan is:

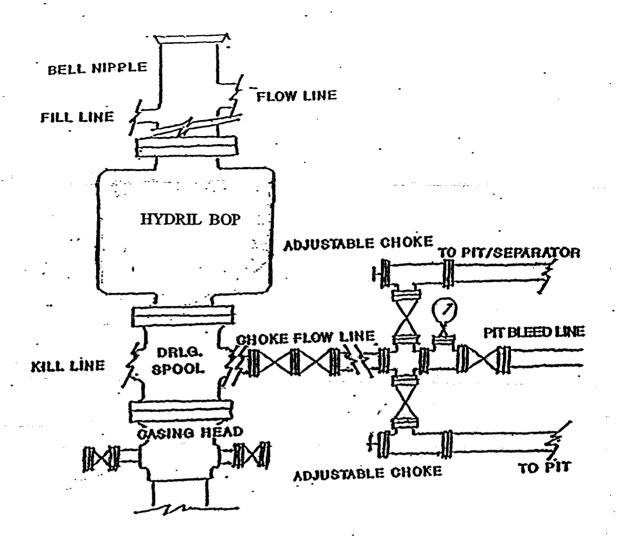
Mr. Belton Mathews, District Supt. P.O. Box 188
Loco Hills, New Mexico 88255

Office phone: 505-677-2313 Home phone: 505-677-2358 Cellular phone: 505-746-7979

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: 0t. 25, 2005

Sterling P. Randolph Petroleum Engineer



BURNETT OIL CO., INC.

BLOWOUT PREVENTER & CHOKE MANIFOLD DIAGRAM 2000 PSI WORKING PRESSURE SERIES 600 FLANGES

JACKSON A #28 EXHIBIT E

CONDITIONS OF APPROVAL - DRILLING

Operator's Name:

Burnett Oil Co., Inc.

Well Name & No.

Jackson A #28

Location:

990' FNL, 1650' FEL, Section 13, T. 17 S., R. 30 E., Eddy County, New Mexico

Lease:

NMLC-029339A

I. DRILLING OPERATIONS REQUIREMENTS:

- 1. The Bureau of Land Management (BLM) is to be notified at the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 for wells in Eddy County in sufficient time for a representative to witness:
 - A. Well spud
 - B. Cementing casing 9-5/8 inch 7 inch
 - C. BOP tests
- 2. A Hydrogen Sulfide (H2S) Drilling Operation Contingency Plan shall be activated prior to drilling into the <u>Grayburg</u> formation. A copy of the plan shall be posted at the drilling site.
- 3. Unless the production casing 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.
- 4. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.
- 5. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

II. CASING:

- 1. The <u>9-5/8</u> inch surface casing shall be set at <u>approximately 400 feet in the Rustler Anhydrite or in the case the salt occurs at a shallower depth, above the top of the salt. The surface casing shoe shall be set in the anhydrite to ensure adequate sealing. The operator is required to use an excess of 100% cement volume to fill the annulus. If cement does not circulate to the surface the operator may then use ready-mix cement to fill the remaining annulus.</u>
- 2. The minimum required fill of cement behind the <u>7</u> inch production casing is <u>to be sufficient to place the top of the cement 600 feet above the top of the uppermost hydrocarbon bearing interval or to the base of the salt.</u>

III. PRESSURE CONTROL:

- 1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the <u>9-5/8</u> inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
- 2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 2000 psi.
- 3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the tests.
- The tests shall be done by an independent service company.
- The results of the test shall be reported to the appropriate BLM office.
- Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- Testing must be done in a safe workman-like manner. Hard line connections shall be required.