ATS-12-522 EA-12-976

Form 3160-3

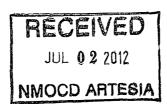
FORM APPROVED

(March 2012)	2012)										
UNITED STATE DEPARTMENT OF THE BUREAU OF LAND MA	INTERIOR		5. Lease Serial No. NMNM2748	tober 31, 2014							
APPLICATION FOR PERMIT TO			6. If Indian, Allotee of	or Tribe Name							
la. Type of work: DRILL REENT	TER		7 If Unit or CA Agree	ment, Name and No.							
lb. Type of Well: Oil Well Gas Well Other	Single Zone Mult	ple Zone	8. Lease Name and W Gissler B 83	ell No.							
2. Name of Operator Burnett Oil Co., Inc.	C3080	>	9 API Well No. 30-0/5-40437 - 785 10 Field and Pool or Evaluratory								
3a. Address Burnett Plaza - Suite 1500 801 Cherry St U 9 Fort Worth, Texas 76102	3b. Phone No. (include area code) 817-332-5108 x6326		10. Field and Pool, or Exploratory Loco Hills Glorieta Yeso 6								
4. Location of Well (Report location clearly and in accordance with a		11. Sec., T. R. M. or Bll	c. and Survey or Area								
At surface 470' FNL & 727' FWL, Unit D	Section 11, T. 17S,	R. 30E									
At proposed prod. zone 330' FNL & 330' FWL											
14 Distance in miles and direction from nearest town or post office* Approximately 2 Miles North of Loco Hills, NM		12. County or Parish Eddy	13. State NM								
Distance from proposed* 470" location to nearest property or lease line, ft (Also to nearest drig. unit line, if any)	16. No. of acres in lease 1240	17. Spacin	g Unit dedicated to this wo	. 116							
8. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft	19 Proposed Depth TVD - 6100' MVD - 6138.24'	20. BLM/I NM-B00	BIA Bond No. on file 10197								
1 Elevations (Show whether DF, KDB, RT, GL, etc.) 3735' GL	22. Approximate date work will sta 06/14/2012	art*	23. Estimated duration 30 days								
	24. Attachments			-							
The following, completed in accordance with the requirements of Onsh 1. Well plat certified by a registered surveyor.			is form:	existing hand on file (see							
2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office)	Item 20 above). Lands, the 5. Operator certifi	cation	ormation and/or plans as i	•							
25 /Signature Lie Sarvio	Name (Printed/Typed) Leslie M. Garvis		1 -	Date 05/31/2012							
Regulatory Coordinator				, ,							
Approved by (Signature) /s/ Don Peterson	Name (Printed/Typed)			Date JUN 28 2012							
FIELD MANAGER	Office	,									
Application approval does not warrant or certify that the applicant hole conduct operations thereon. Conditions of approval, if any, are attached.	lds legal or equitable title to those rig		pject lease which would en PPROVAL FOR								
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a States any false, fictitious or fraudulent statements or representations a.	crime for any person knowingly and s to any matter within its jurisdiction.	willfully to n	nake to any department or	agency of the United							

(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



FINAL CERTIFICATION MEMO

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that Burnett Oil Co. Inc. is responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 27 day of 2012.

Signed:

Printed Name: Mark A. Jacoby Position: Engineering Manager Company: Burnett Oil Co., Inc.

Address: 801 Cherry Street, Suite 1500, Unit #9, Fort Worth, Texas 76108

Telephone: 817.332.5108 Email: mjacoby@burnettoil.com DISTRICT I 1625 N. French Dr., Hobbs, NM 88240 Phone (575) 393-8161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-9720 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone (505) 476-3480 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised August 1, 2011

Submit one copy to appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

	Number 4043	7	§	96718	LOCO	Pool Name LOCO HILLS; GLORIETA-YESO					
Property C	ode				Property Nam				Well Number		
2389		L			GISSLER "I	3"		83			
OGRID No				Elevat							
03080				BURNE	TT OIL COM	PANY, INC.		373	5		
	Surface Location										
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
D	11	17 S	30 E	!	470	NORTH	727	WEST	EDDY		
			Bottom	Hole Loc	cation If Diffe	erent From Sur	face				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
D	11	17 S	30 E		330	330 NORTH 330 WEST I					
Dedicated Acres	Joint o	r Infill	Consolidation (Code Or	der No.		<u> </u>	138 6/28			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a unleased mineral or working interest, or to a unleased mineral with an owner of such a mineral or working interest, or to a unleased mineral with an owner of such a mineral or working interest, or to a unleased mineral or working interest, or to a unleased mineral with an owner of such a mineral or working interest, or to a unleased mineral or working interest, or the destination of the destina
PROPOSED BOTTOM HOLE LOCATION Let - N 32.855242104' Long - W 103.94959130' NMSPCE - E 617841.344 (NAD-27) Signature Date Leslie M. Garvis Printed Name Igarvis@burnettoil.com Email Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief. Only Date Full Starting



1. Geological Name of Surface Formation with Estimated Depth:

Geological Name	Estimate Top	Anticipated Fresh Water, Oil or Gas
a. Alluvium	Surface	Fresh Water, Sand
b. Anhydrite	297'	
c. Salt	492'	
d. Base Salt	1290'	
e. Yates	1450'	
f. Seven Rivers	1604'	Oil
g. Queen	2222'	Oil
h. Grayburg	2670'	Oil
i. San Andres	2985'	Oil
j. Glorieta	4460'	Oil
k. Yeso	4580'	Oil
 Total Depth 	Refer to APD	

No other formations are expected to yield oil, gas or fresh water in measurable volumes. Deepest water is expected to be above 400'. We will set 10-3/4" casing @ approx. +/- 490' 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.

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

(MW = 10 PPG IN DESIGN FACTOR CALCULATIONS.)

a. Design Safety Factors:

<u>Type</u>	<u>Hole</u> Size	Interval	OD Csg	Weight	<u>Collar</u>	<u>Grade</u>	Collapse Design <u>Factor</u>	Burst Design <u>Factor</u>	Tension Design <u>Factor</u>
Conductor	24"	0'-90'	20"	Contr	actor Disc	cretion			
Surface	14-3/4"	0' - 490'	10-3/4"	32.75#	ST & C	H40	1.125	1.00	1.80
Production	8-3/4"	0' - TD	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 ensure a 500' minimum of standing fluid.

b. Surface Casing Info

The proposed casing setting depth is 490' based on the attached cross sections which show the estimated top of the rustler and top of salt (**Exhibits G & H**). Drilling times will be plotted to find the hard section just above the salt. A mud logger will be on location to evaluate drill and cutting samples as long as circulation is maintained. If salt is penetrated, it will be obvious by the sudden increase in water salinity and surface casing will then be set above the top of salt. Our highly experienced drilling personnel best drilled many wells in this area and is able to easily identify the hard streak on the top of the salt. have

3. Cementing Program (Note Yields and DV Tool Depth if Multiple Stage.)

BLM to be notified prior to all cementing and tag operations in order to observe the operation if desired.

a. 10-3/4" Surface Cement to surface Lead with 150 sx Class C thix. cement + 10#/sk Cal-Seal 60 (Accelerator), +10#/sx LCM, 1% CaCl, 0.125#/sk Poly-E-Flake (LC), 14.2 ppg, 1.67 CF/Sk Yield. Tail with 250 sks Class C cement + 2% CaCl.14.2 ppg, 1.35 CF/Sx yield. TOC Surface. Excess cement 100%.

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°. If DV Tool moves then cement will be adjusted accordingly. If surface pressures when circulating indicate cement is low in the annulus, data will be reviewed with BLM representative for recommendation on whether temperature survey or 1" is used to determine TOC

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

See

COR

Stage 1 Cement: 550 sks VERSACEM – C (50:50 Poz (Fly Ash):Class C cement + 2% Bentonite) + 0.4% LAP-1 (FLC) + 0.3 % CFR-3 (Disp) + .025 lb/sk D-Air 5000 + 3 lb/sx Kol-Seal (LC) + 0.125 lb/sk Poly-E-Flake (LC) . 14.2 ppg, Yield 1.28 CF/Sx. DV @ approx. 2600'. 30% excess cement.

Stage 2 Cement: Lead with 525 sks/ ECONOCEM (35·65) Poz (Fly Ash):Class C cement + 6% Bentonite) + .125 lbs/sx Poly-E-Flake (LC) + 2% CaCl, , 12.7 ppg, <u>Yield 1.87 CF/Sx.</u> Tail with 100 sx Class C + 2% CaCl. 14.8 ppg, <u>Yield 1.62 CF/sx, TOC Surface. 140% excess cement.</u>

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

4. Pressure Control Equipment:

The blowout prevention equipment (BOPE) shown in **Exhibits J & K** 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 ten (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.

5. Auxiliary Well Control and Monitoring Equipment:

- a. A Kelly cock will be in the drill string at all times.
- 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.
- d. An H2S compliance package will be on all sites while drilling.

6. Proposed Mud Circulation System

<u>Depth</u>	Mud Wt	<u>Visc</u>	Fluid Loss	Type System
0' - 490'	8.6 - 9.5			Fresh Water
490' - TD' MD	10.0 max			Brine Water

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

7. Logging, Coring and Testing program: S_{ee} CoA

- 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 Spectral 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.

8. Potential Hazards:

No abnormal pressures or temperatures are expected. Lost circulation is expected in the surface hole and not expected in production Water flows can occur periodically at various depths in the production hole. 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 2715#. This is based upon the following formula of .445 x BH ft. estimate. The anticipated bottom hole temperature is 105°F. This is based upon logs of drilled wells surrounding this well

There is known H2S in this area. Refer to the attached H2S plan for details.

9. 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 approximately 14 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.

EXHIBIT I **ARCHER**

Planning Report

BURNETT OIL CO INC Company:

Date: 04/26/2012 Co-ordinate(NE) Reference: Well B83, Grid North

Time: 19:43 28

Page:

Field: Site:

Eddy County, NM Grssler "B" 83

Vertical (TVD) Reference: Section (VS) Reference:

SITE 0.0

Well: B83 Wellpath:

Onginal Hole

Well (0.00N,0.00E,289.14Azi) Plan #1

Eddy County, NM Field:

Map System: US State Plane Coordinate System 1927

Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level

0.00 ft

3735.00 ft

Map Zone: Coordinate System: New Mexico, Eastern Zone

Well Centre Geomagnetic Model: IGRF2010

Gissler "B" 83 Site:

Site Position: Мар From: Position Uncertainty: Northing: Easting:

674924.53 ft 618238.66 ft

32 51 17 493 N 103 53.873 W 56

North Reference: Grid Convergence:

Latitude:

Longitude:

Slot Name:

Grid 0.21 deg

Ground Level: Well: Well Position:

+N/-S

0 00 ft Northing: 0.00 ft Easting:

674924 53 ft Latitude: 618238 66 ft Longitude:

0.00 ft

32 51 17.493 N 103 56 53.873 W

+E/-W **Position Uncertainty:** 0.00 ft

Wellpath: Original Hole

Drilled From:

Tie-on Depth: Above System Datum: Surface 0.00 ft Mean Sea Level

Current Datum: 04/26/2012 Magnetic Data: Field Strength: 48894 nT

Vertical Section: Depth From (TVD)

+N/-S

Declination: Mag Dip Angle: +E/-W

7.70 deg 60.68 deg Direction

ft ft deg 0.00 0.00 0.00 289.14

Height

Plan:

Plan #1

Date Composed: Version:

04/26/2012

Principal:

Tied-to: From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ff	Turn deg/100ft	TFO deg	Target
0.00	0 00	289.14	0.00	0.00	0.00	0.00	0.00	0 00	0.00	
3568.55	. 0.00	289.14	3568.55	0.00	0.00	0 00	0.00	0 00	0.00	
4301.89	11.00	289.14	4297.39	23.01	-66.30	1.50	1.50	0.00	289.14	
6138.24	11.00	289.14	6100 00	137.91	-397 32	0.00	0 00	0.00	0 00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3568.55	0.00	289.14	3568.55	0 00	0.00	0.00	0.00	0.00	0.00	
3600.00	0 47	289.14	3600.00	0 04	-0 12	0.13	1 50	1.50	0 00	
3700.00	1 97	289.14	3699.97	0.74	-2 14	2 26	1.50	1.50	0.00	
3800.00	3.47	289.14	3799.86	2 30	-6.62	7.01	1.50	1.50	0.00	
3900.00	4.97	289 14	3899.58	4.71	-13.58	14.37	1.50	1.50	0.00	
4000.00	6.47	289.14	3999.08	7 98	-22.99	24 34	1.50	1.50	0 00	
4100.00	7.97	289 14	4098.29	12.10	-34.87	36.91	1.50	1.50	0.00	
4200.00	9.47	289.14	4197.13	17.08	-49.19	52.07	1.50	1.50	0.00	
4301.89	11.00	289.14	4297.39	23.01	-66.30	70.18	1 50	1.50	0.00	
4400 00	11 00	289.14	4393.70	29 15	-83.98	88.90	0.00	0.00	0.00	
4500.00	11.00	289.14	4491.86	35 41	-102.01	107 98	0.00	0.00	0.00	
4600 00	11 00	289.14	4590.03	41.66	-120.04	127.06	0 00	0 00	0.00	
4700.00	11.00	289.14	4688.19	47.92	-138.06	146.14	0.00	0.00	0.00	
4800.00	11.00	289 14	4786.35	54.18	-156.09	165.22	0.00	0.00	0 00	
4900.00	11.00	289 14	4884.51	60.43	-174.11	184.30	0.00	0.00	0.00	
5000.00	11.00	289 14	4982.68	66.69	-192.14	203.39	0 00	0 00	0.00	
5100.00	11.00	289.14	5080.84	72.95	-210.17	222 47	0.00	0.00	0.00	

EXHIBIT I ARCHER

Planning Report

Company: BURNETT OIL CO. INC. Field: Eddy County, NM Gissler "B" 83

B83 Well: Wellpath: Original Hole

Date: 04/26/2012 Time: 19:43 28
Co-ordinate(NE) Reference: Well B83, Grid North
Vertical (TVD) Reference: SITE 0.0

Section (VS) Reference:

Well (0.00N,0 00E,289.14Azi) Plan #1

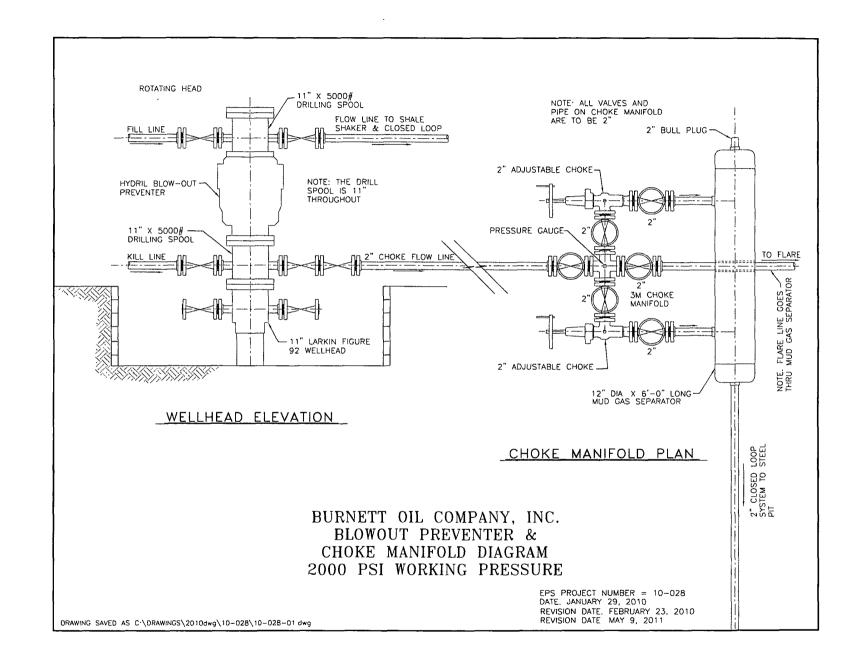
Page:

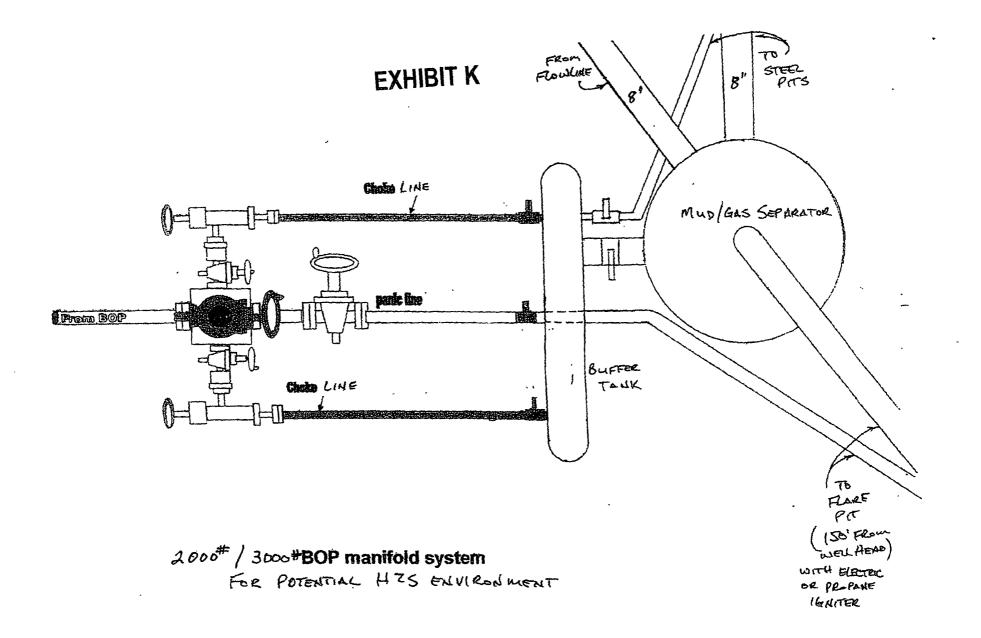
S	u	r	v e	y	

MD	incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100f	t deg/100f	t deg/100ft	
5200.00	11 00	289.14	5179.00	79.20	-228 19	241 55	0.00	0.00	0.00	
5300.00	11.00	289 14	5277.17	85 46	-246.22	260 63	0 00	0 00	0.00	
5400.00	11.00	289.14	5375.33	91.72	-264.24	279.71	0.00	0.00	0.00	
5500 00	11 00	289 14	5473 49	97.97	-282.27	298.79	0.00	0.00	0.00	
5600 00	11.00	289.14	5571.65	104 23	-300 30	317 87	0.00	0.00	0.00	
5700.00	11.00	289.14	5669.82	110 49	-318 32	336.95	0.00	0.00	0.00	
5800.00	11.00	289.14	5767.98	116.74	-336.35	356.03	0.00	0.00	0.00	
5900.00	11.00	289.14	5866.14	123.00	-354.37	375.11	0.00	0.00	0.00	
6000.00 6100.00 6138.24	11.00 11.00 11.00	289 14 289.14 289.14	5964.30 6062 47 6100.00	129.26 135.51 137.91	-372.40 -390.43 -397.32	394.19 413 27 420.57	0.00 0 00 0.00	0.00 0 00 0.00	0.00 0 00 0.00	, PBHL

Targets

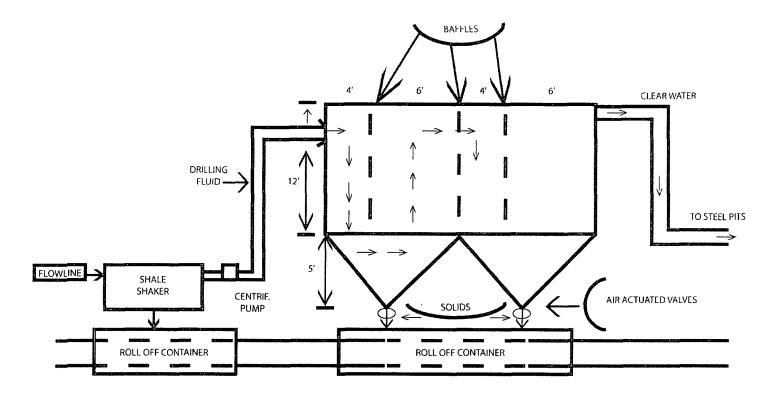
Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	< Latitude> Deg Min Sec	< Longitude> Deg Min Sec
Surface			0.00	0.00	0.00	674924.53	618238.66	32 51 17.493 N	103 56 53 873 W
PBHL -Plan hit target			6100.00	137.91	-397 32	675062 44	617841.34	32 51 18 872 N	103 56 58.524 W







BURNETT OIL CO., INC. EXHIBIT L



OPERATIONS & MAINTENANCE

Drilling Fluids from the wellbore will go through the flow line across the 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 actuated valves into roll off containers. Clean water goes back out to the drilling fluid steel pits. Solids and any leftover liquid will be hauled to disposal.

INSPECTION

The closed loop equipment will be inspected daily by each tour and any necessary maintenance performed. Any leak in the system will be repaired and .or contained immediately. OCD will be 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)



HYDROGEN SULFIDE (H2S) PLAN & TRAINING

This plan was developed in accordance with 43 CFR 3162.3-1, section III.C, Onshore Oil and Gas Operations Order No. 6.

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.

A. Training

1. Training of Personnel

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in accordance with 43 CFR 3162.3-1, section III.C.3.a. Training will be given 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 O
- f. ATTACHED EMERGENCY CALL LIST FOR ANY ON SITE EMERGENCY DRILLING EXHIBIT P.

2. Training of Supervisory Personnel

In addition to the training above, supervisory personnel will also 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.)

3. Initial and Ongoing Training

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.

B. H2S Drilling Operations Plan

- 1. Well Control Equipment
 - a. Flare line(s) and means of ignition
 - b. Remote control choke
 - c. Flare gun/flares
 - d. Mud-gas separator

2. Protective equipment for essential personnel:

- a. Mark II Surviveair (or equivalent) 30 minute units located in the dog house and at the primary briefing area (to be determined.)
- b. Means of communication when using protective breathing apparatus.

3. H2S detection and monitoring equipment:

- a. 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.
- b. An H2S Safety compliance set up is on location during all operations.
- c. We will monitor and start fans at 1- ppm or less, an increase over 10 ppm results in the shutdown and installation of the mud/gas separator.
- d. Portable H2S and SO2 monitor(s).

4. Visual warning systems:

- a. Wind direction indicators will be positioned for maximum visibility.
- b. 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.

5. Mud program:

a. 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.

6. Metallurgy:

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

7. Communication:

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



EXHIBIT O - HYDROGEN SULFIDE (H2S) CONTIGENCY PLAN

A. Emergency Procedures

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

- 1. Isolate the area and prevent entry by other persons into the 100 PPM ROE. Assumed 100PPM ROE = 3000'.
- 2. Evacuate any public places encompassed by 100 PPM ROE.
- 3. Be equipped with H2S monitors and air packs in order to control release.
- 4. Use the "buddy system" to ensure no injuries occur during the response.
- 5. Take precautions to avoid personal injury during this operation.
- 6. Have received training in the following:
 - a. H2S detection
 - b. Measures for protection against this gas
 - c Equipment used for protection and emergency response.

B. Ignition of Gas Source

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

C. Characteristics of H2S and SO2

Common Name	Chemical <u>Formula</u>	Specific <u>Gravity</u>	Threshold <u>Limit</u>	<u>Hazardous Limit</u>	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

D. Contacting Authorities

Burnett Oil Co., Inc. personal will liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD will be notified of the release as soon as possible but no later than four (4) hours after the incident. 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 attached. Burnett's response must be in coordination with the State of New Mexico's Hazardous Materials Emergency Response Plan.

Directions to the site are as follows:

Burnett Office 87 Square Lake Road (CR #220) Loco Hills, NM 88255

Loco Hills, New Mexico (2 miles East of Loco Hills on US Hwy 82 to C #220. Then North on CR #220 approximately one (1) mile to office.



BURNETT OIL CO., INC.

EXHIBIT P - EMERGENCY NOTIFICATION LIST

BURNETT CONTACTS

Burnett's New Mexico Office

575.677.2313

87 Square Lake Road (CR #220) Loco Hills, New Mexico 88255

Directions: Loco Hills, NM – 2 miles east of Loco Hills on US Hwy 82 to CR#220. Then North on CR #220 approximately one (1) mile to office.

Belton Mathews – BOCI District Superintendent (NM)

Cell - 575.703.9601

Burnett Oil Home Office

817.332.5108

Burnett Plaza – Suite 1500 | 801 Cherry Street – Unit #9| Fort Worth, Texas 76102

Mark Jacoby – BOCI Engineering Manager (TX)

Cell - 817-312-2751

SHERIFF/POLICE CONTACTS

Eddy County Sheriff New Mexico State Police 911 or 575.677.2313

575.746.2701

FIRE DEPARTMENT

Loco Hills Fire Department (VOLUNTEER ONLY) For Medical and Fire (Artesia)

911 or 575.677.2349

575.746.2701

AIR AMBULANCE

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

FEDERAL AND STATE

US Bureau of Land Management (Carlsbad)	575.361.2822	575.234.5972
New Mexico Oil Conservation Division (Artesia)		575.748.1283
New Mexico Emergency Response Commission (24 hour)		575.827.9126
Local Emergency Planning Operation Center (Artesia)		505.842.4949
National Emergency Response Center (Washington, DC)		800.424.8802

OTHER IMPORTANT NUMBERS

Boots & Coots IWC	800.256.9688
Cudd Pressure Control	432.570.5300
Halliburton Services	575.746.2757
B.J. Service	575 746 2293

THIS MUST BE POSTED AT THE RIG WHILE ON LOCATION

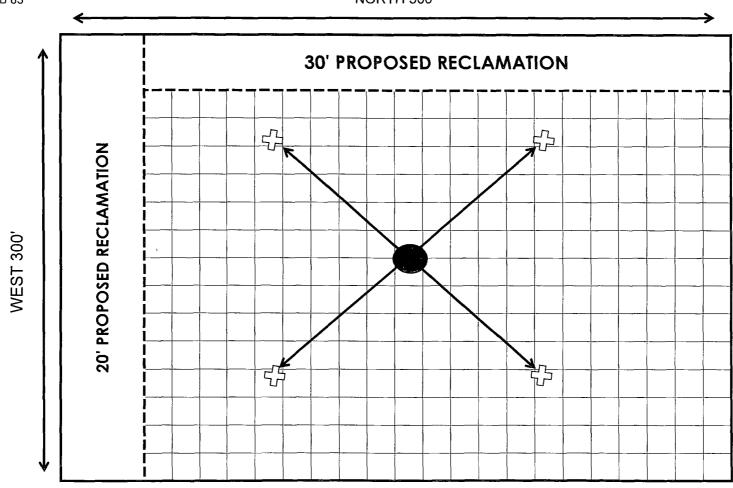
EXHIBIT Q

BURNETT OIL CO., INC.

INTERIM RECLAMATION PLAT

GISSLER B 83

NORTH 300'



 $\overleftrightarrow{\mathbb{Z}}$ anchor

75' FROM WELLHEAD TO ANCHORS

NOT TO SCALE



PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Burnett Oil Co
LEASE NO.:	NM2748
WELL NAME & NO.:	83 Gissler B
SURFACE HOLE FOOTAGE:	470' FNL & 727' FWL
BOTTOM HOLE FOOTAGE	330' FNL & 330' FWL
LOCATION:	Section 11, T.17 S., R.30 E., NMPM
COUNTY:	Eddy County, New Mexico

TABLE OF CONTENTS

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

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Permit Expiration
Archaeology, Paleontology, and Historical Sites
Noxious Weeds
Special Requirements
Lesser Prairie-Chicken Timing Stipulations
Ground-level Abandoned Well Marker
Chinaberry Tree Avoidance
⊠ Construction
Notification
Topsoil
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Federal Mineral Material Pits
Well Pads
Roads
Road Section Diagram
☐ Drilling
H2S Requirements-Onshore Order #6
Logging Requirements
Waste Material and Fluids
☐ Production (Post Drilling)
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Final Abandonment & Reclamation

