Form 3160—3 (November 1983) (formerly 9—331C)	UNI DEPARTMEN BUREAU OI	Dist. 2 1974 6 210 5	Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO. NMHM074939 NM27				
A DOLLC AT	ON FOR PERMIT	ACK 6	6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
1a. TYPE OF WORK	DRILL 🛛	DEEPEN [PLUG BA		. UNIT AGREEMENT N.	AMB	
b. TITE OF WELL OIL WELL OAS WELL OTHER 2. NAME OF OPERATOR			SINGLE MULTIP		6. FARM OR LEASE NAME		
		/332-5108) <i>3</i> D	(D		グリ GISSL WELL NO.	ER B	
3. ADDRESS OF OPERA		1002-0100)		2 3 2005	#37 (API# 3	0-015-3416	
801 CHERF	RY STREET, SUITE 150	00, FORT WORTH,	TEXAS 76102000-4	NETTER A). FIELD AND POOL, O	R WILDCAT	
4. LOCATION OF WELL At surface	(Report location clearly an	6718	LOCO HILI	S PADDOCK			
At proposed prod	ONIT D, 990 FNL, 990	of FWL SURFACE	dated 8/15/05			17S, R30E	
	ES AND DIRECTION FROM NE.	12	2. COUNTY OR PARISH	13. STATE			
	MATELY 6 MILES EAST		EDDY	NM_			
16. DISTANCE FROM E LOCATION TO NEA PROPERTY OR LEA	REST		NO. OF ACRES IN LEASE	TO THIS	WELL	·*	
(Also to mearest	drig. unit line, if any)	330'	PROPOSED DEPTH	20. ROTARY	40 OR CABLE TOOLS		
TO NEAREST WELL	L, DRILLING, COMPLETED,	330'	5400'		ROTARY		
	whether DF, RT, GR, etc.)				22. APPROX. DATE WO		
3702'	GR				August 10, 2	005	
23.		PROPOSED CASING A	ND CEMENTING PROGRA	LM .		:	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER POOT	SETTING DEPTH		QUANTITY OF CEMEN		
14 7/8"	9 5/8"	32.30#			Sks(Circ. to Surfa	•	
8 3/4"	/	23#	5390'	+/-1500	+/-1500 Sks in 2 Stages		
	(If water flows are encountered cementing program may vary.)						
surface. After hole will be d will be run an	e will be drilled to Rustle a 18 hour cement wait rilled to approx. 5400' to d set @ TD and cemen rate and treat productive	casing & BOP will lo effectively test the ted to 600' above hie intervals as recom	be tested before drill or Cedar Lake Yeso inter ghest potential produc mended by service cor	ut of the sho val. The 7" (ing horizon(e. An 8 3/4" casing		
	G	PPROVAL SUB ENERAL REQU PECIAL STIPUI TTACHED — SZQ-	IREMENTS AND		ell Cont rolled Wat	er Ba sin	
in above space described. If proposal is preventer program, is 24.	TRIBE PROPOSED PROGRAM: If to drill or deepen direction f any.	proposal is to deepen of ally, give pertinent dat	r plug back, give data on p a on subsurface locations at PETROLEUM EN	nd measured as	ive sone and propose nd true vertical depth	d new productive is. Give blowout	
(This space for	Federal of State office use)	Title					
PERMIT NO.			APPROVAL DATE		<u> </u>		
APPROVED BY	alT	ra Auin	FIELD MANAC		SEP OVAL FOR	2 1 2005 1 YEAR	
)	9.5						

17

State of New Mexico

DISTRICT I 1625 N. FRENCE DR., HORBS, NM 86240

Energy, Minerals and Natural Resources Department

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

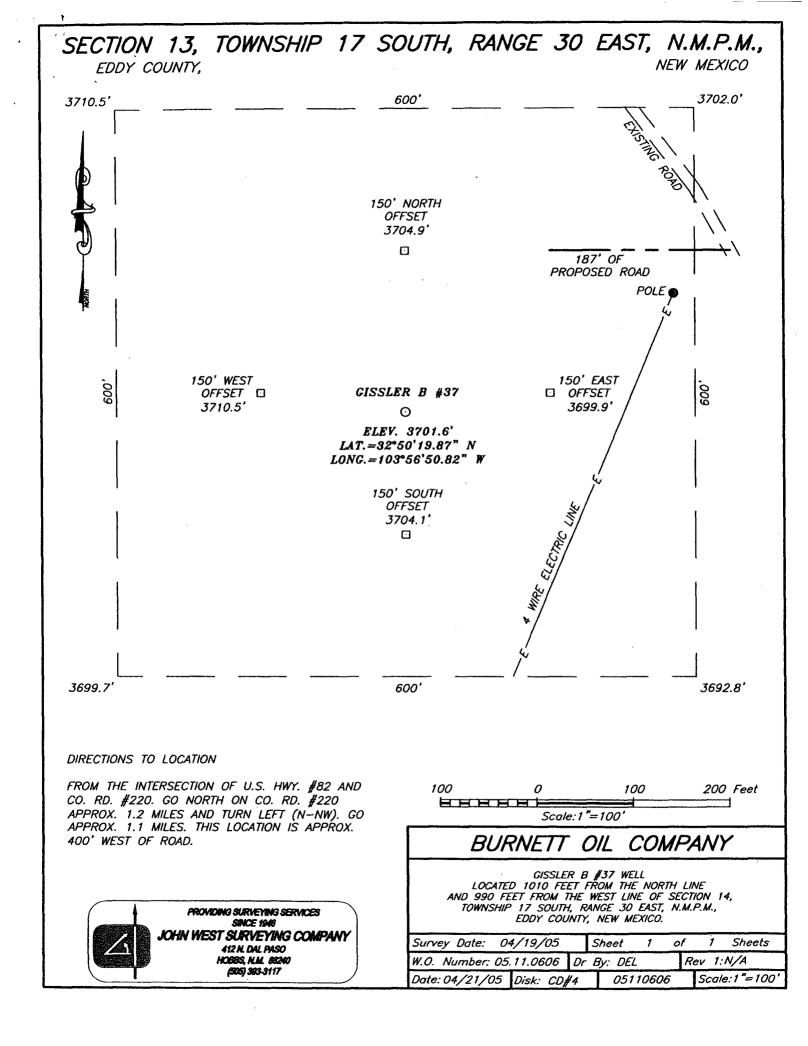
DISTRICT III

OIL CONSERVATION DIVISION Submit to Appropriate District Office 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102 Revised JUNE 10, 2003

State Lease - 4 Copies Fee Lease - 3 Copies

1000 Rio Brazos Rd., Aztec, NM 87410															
DISTRICT IV 1220 S. ST. PRANCIS DR., SANTA PR., NM. 67500 WELL LOCATION AND ACREAGE DEDICATION PLAT															
30.01	5 Padd	ωK,													
Property	Code		94718 LOCO Hells Property Name GISSLER B				0 7400	Well Number							
002389 ogrid No.					Operator Nam		Elevation								
00308			BUR	NETT OIL C		3702'									
	Surface Location														
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County						
U	14	17-S	30-E	Hele Je	1010	NORTH	990	WEST	EDDY						
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	rent From Sur	Feet from the	East/West line	County						
Dedicated Acre	s Joint o	r Infill Co	nsolidation	Code Or	der No.										
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	17			T			ODEDATO	D CEDTIFICAT	TION						
<i>\\</i>				1	· · · · · · · · · · · · · · · · · · ·		11	OPERATOR CERTIFICATION							
3710.5	0101	22.0'			1		contained herei	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.							
3/10.5		02.0' /			1		best of my know	vieage and beites.							
990'	 00 00			1	! !		A	Sterling Landish							
	600,				1		Signature								
7 7 3699.7	7 369	STERLING	STERLING RANDOLPH												
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								Mgust 15, 2005							
			 _	 		······································	SURVEYO	OR CERTIFICAT	rion						
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	1	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													
		11 -	e best of my belie												
	1	API	APRIL 19, 2005 Date Surveyed Communication DEL Signature & Geaf MD Communication DEL												
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	ĺ			1			Certificate N	o. GARY EUSOF	12641						
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DRILLING PLAN

BURNETT OIL CO., INC.
LEASE NO.NMNM 074939
GISSLER B LEASE, WELL NO.37
UNIT LETTER D
990' FNL, 990' FWL
SECTION 14, TOWNSHIP 17 SOUTH, RANGE 30 EAST
EDDY COUNTY, NEW MEXICO

(A) DRILLING PROGRAM

(1) Estimated tops of geologic markers:

Alluvium....Surface
Anhydrite.....275'
Salt......505'
Base Salt....1295'
Yates.....1387'
Seven Rivers...1723'
Grayburg....2708'
San Andres...3030'
Glorieta....4330'

(2) Estimated depths of producing formations:

Fresh water.....None
Saltwater flows..(?)*
Oil and Gas.....1387'**,2708'**

- * 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 BIM) to fill this annular space using sufficient rat hole mix to bring cement to surface per BIM 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 7" 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. The Hydril BOP will accommodate all pipe sizes with a properly sized closing unit.

b. Protective equipment for essential personnel:

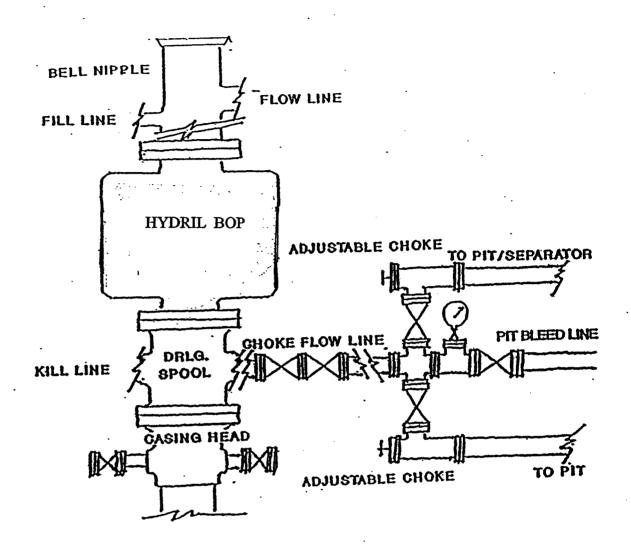
- 1. Mark II Surviveair (or equivalent) 30 minute units located in the dog house and at the primary briefing area(to be determined.)
- c. H2S detection and monitoring equipment:
 - 1. Three(3) portable H2S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 PPM are reached.

d. <u>Visual warning systems:</u>

- 1. 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:

 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.



BURNETT OIL CO., INC.

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

GISSLER B #37 EXHIBIT E



May 25, 2005

New Mexico Oil Conservation Division 1301 Grand Avenue Artesia, New Mexico 88210 Attn: Mr. Byran Arrant

RECEIVED
MAY 3 1 2005
ODPARTISMA

Re: H2S Rule 118 Contingency Plan. Gissler B #37, Unit D, 990' FNL, 990' FWL SEC.14, T17S, R30E- Eddy County, New Mexico

Dear Mr. Arrant:

Please accept this letter as our notice we do not believe the referenced plan is required for the referenced well. We have calculated the hazard volume as follows: highest H2S quantity 10,000 PPM, and using a production rate of 255 MCFGPD the 100 PPM radius is 181' and the 500 PPM radius is 83'. This footage does not get off our well locations.

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

Yours truly,

James H. Arline

Materials Coordinator



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop Cabinet Secretary

November 1, 2005

Mark E. Fesmire, P.E. Director

Oil Conservation Division

Burnett Oil Co., Inc. Burnett Plaza - Suite 1500 801 Cherry Street - Unit #9 Fort Worth, Texas 76102-6881

Attention:

Sterling P. Randolph, P. E. **Petroleum Engineer**

randolph@hurnettoil.com

RECEIVED

NOV 0 4 2005

ODD:NATEQIA

Administrative Order NSL-5297

Dear Mr. Randolph:

Reference is made to the following: (i) yours and Mr. James H. Arline's application (administrative application reference No. pSEM0-528027103) filed with the New Mexico Oil Conservation Division ("Division") in Santa Fe, New Mexico on October 6, 2005; (ii) the Division's initial response by letter to Mr. James H. Arline dated October 20, 2005 from Mr. Michael E. Stogner, Engineer with the Division in Santa Fe requesting verification of certain information related to application; (iii) Mr. Arline's response by letter dated October 25, 2005 with the necessary information to complete this application; and (iv) the Division's records in Santa Fe: all concerning Burnett Oil Co., Inc.'s ("Burnett") request to drill its proposed Gissler "B" Well No. 37 as an initial well within a standard 40acre oil spacing and proration unit in the Loco Hills-Paddock Pool (96718) comprising the NW/4 NW/4 (Unit D) of Section 14, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico, at an unorthodox oil well location 1010 feet from the North-line and 990 feet from the West line of Section 14.

Your application has been duly filed under the provisions of Division Rules 104.F and 1210.A (2) [formerly Division Rule 1207.A (2), see Division Order No. R-12327-A, issued by the New Mexico Oil Conservation Commission in Case No. 13482 on September 15, 2005].

By the authority granted me under the provision of Division Rule 104.F (2), as revised, the above-described unorthodox oil well location for Burnett's proposed Gissler "B" Well No. 37 within the Loco Hills-Paddock Pool is hereby approved.

Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

Mark E. Fesmire, P. E.

Director

MEF/ms

New Mexico Oil Conservation Division - Artesia cc:

> U. S. Bureau of Land Management - Carlsbad James H. Arline, Burnett Oil Co., Inc. - Fort Worth

Oil Conservation Division * 1220 South St. Francis Drive * Santa Fe, New Mexico 87505 Phone: (505) 476-3440 * Fax (505) 476-3462 * http://www.emnrd.state.nm.us



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop

Cabinet Secretary

October 20, 2005

Mark Fesmire
Director
Oil Conservation Division

Burnett Oil Co., Inc. Burnett Plaza – Suite 1500 801 Cherry Street – Unit #9 Fort Worth, Texas 76102-6881

RECEIVED

NOV 0 2 2005

OCU-AH FEBRO

Attention:

James H. Arline

Re: Administrative application for an exception to Division Rule 104.B (1) for Burnett Oil Co., Inc. ("Burnett") to drill its proposed Gissler "B" Well No. 37 at an unorthodox Paddock oil well location 1010 feet from the North line and 990 feet from the West line (Unit D) of Section 14, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico, within a standard 40-acre oil spacing and proration unit for the Loco Hills-Paddock Pool (96718) comprising the NW/4 NW/4 of Section 14.

Dear Mr. Arline:

Your application (administrative application reference No. pSES0-5280271031) has been reviewed and I find that I need verification to assure that the notice requirements of Division Rule 1210.A (2) have been satisfactorily met. You state in your cover letter that Burnett is "the Operator of Record for all wells on all sides of this well site" and that "all of the interest ownership for this entire lease is exactly the same." However my records indicate that the N/2 NW/4 of Section 14 is a federal lease designated NM-2748 and the offsetting S/2 NW/4 of Section 14 is also a federal lease designated NM074939. Your statements therefore do not appear valid in this instance. Are the working interests between these two federal leases as to the Loco Hills-Paddock Pool identical? If not how are they different?

Once I receive your reply I can then process your application accordingly. Thank you.

Sincerely,

Michael E. Stogner

Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division – Artesia U. S. Bureau of Land Management – Carlsbad