1				0	4.5			•		
1	**		, i	() A	My					
F	orm 3160-3	I-04-20	•	<u>//</u> i	SUBMIT	IN TRIP	LICATE*	Form approved.		
(N	ovember 1983)		TED STATE		eed p (Other ;	instructionerse side	ons on	Budget Bureau I Expires August	No. 1004-0136	
(£	omerly 9-331C)	DEPARTMENT					٠			
	18 M		LAND MANA		OCL	J-AR]	TESIA	5. LEASE DESIGNATION NMNM074		
	APPLICATION	N FOR PERMIT				IG BA	CK	6. IF INDIAN, ALLOTTEE		
1a	TYPE OF WORK	(TX)	DECDENI		DI UC	DACV		7. UNIT AGREEMENT N	AMB	
ь	DK TYPE OF WELL	ILL 🔀	DEEPEN		PLUG	BACK	. 니			
	OIL X	AS OTHER			NP 1271 9	HULTIPLE		8. FARM OR LEASE NAM		
2.	NAME OF OPERATOR	0 1110 (0.47100	0.5400\		0,5	6789	107	GISSLEF	K B	
	BURNETT OIL C	O., INC (817/33	2-5108)		(2,3			9. WELL NO. #35 (API# 30-	015- >	
3.	ADDRESS OF OPERATOR 801 CHERRY ST	REET, SUITE 1500,	FORT WORTI	H, TEX	AS 76162 F	T III √oo	, 1 <u>2</u>	10 FIELD AND POOL, O	3774	
4.	LOCATION OF WELL (R	leport location clearly and	in accordance wi		tate requirements.	HL ZV	44	등 LOCO HILLS	PADDOCK	
	At surrace UNIT E,	2310' FNL, 990' FWI	-		(6) OCO	ECEIVE	D -	IN. SEC., T., R., M., OR E	LK.	
	At proposed prod. so:	e SAME AS SU	JRFACE		/8 OCD	- ARTE	SIA	SEC 14, T17		
		AND DIRECTION FROM NEAR			12					
14.		LY 6 MILES EAST O			MEXICO ESS	5233	24200	12. COUNTY OF PARISH EDDY	18. STATE NM	
15.	DISTANCE FROM PROP			16. NO	OF ACRES IN LEA	SE		ACRES ASSIGNED	<u> </u>	
	PROPERTY OR LEASE I	LINE, FT.	330'		240	1	TO THE	is WELL		
18.	(Also to mearest dri	POSED LOCATION®		19. PR	OPOSED DEPTH	-;	20. ROTAR	T OR CABLE TOOLS		
	OR APPLIED FOR, ON TH	RILLING, COMPLETED, IIS LEASE, FT.	330'		5400'			ROTARY		
21.	ELEVATIONS (Show whether DF, RT, GR, etc.)							22. APPROX. DATE WOR		
23.			KROWAN CAST		d Water Books CEMENTING PI	POGRAN				
		,	<u>,</u>				· · · · · · · · · ·			
_	14 7/8"	9 5/8"	32.30#		SETTING DEPT		+/-400	Sks(Circ. to Surfac		
	8 3/4"	7"	23#				+/-1500 Sks in 2 Stages			
_	0 3/4							ater flows are encountered		
		1	l	,			•	nting program may vary.)		
									• /	
		be drilled to Rustler								
		B hour cement wait, ca								
	1	to approx. 5400' to e	•					-		
		t @ TD and cemented						approx. 2100'.)		
	vve will perforate a	and treat productive in	ntervais as rec	ommer	ided by service	compa	ny.			
					API	PROV	al s ui	BJECT TO	0.450	
	GENERAL REQUIREMENTS AND							ND		
					SP	ECIAL	STIPE	JLATIONS		
	ATTACHED									
EOD		E PROPOSED PROGRAM: If drill or deepen directions								
24.	A.	, ,								
	SIGNED MU	ung/lana		TLE	PETROLEUM	ENGIN	EER	DATEMENE	4,2004	
-	(This space for Fede	eral or State office use)	//						/	
	PERMIT NO.	,		16	APPROVAL DATE					
		// ~ ~	D	NIN	ELD MAN	AGE		JUL (7 2004	
	APPROVED BY	/S/ Joe G. La	ra	TLE T	LLU WAN			DATE		
		7 T.				AP	PROV	AL FOR 1	YFAR	
	[,							/ 11 [

*See Instructions On Reverse Side

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 March 4, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.

For downstream facilities, submit to Santa Fe office

Form C-144

Pit or Below-Grade Tank Registration or Closure

	I it of Below-Grade Talk Registration of Closure						
	Type of action: Registration of a pit of	or below-grade tank X Closure of a pit or below-g	grade tank				
Operator	BURNETT OIL CO., INC. Telephone: 8	817/332-5108 e-mail address:					
Address:	801 CHERRY STREET- UNIT #9, 1500 BURNETT PLAZA, FORT WORTH, TEXAS 76102-6881						
Facility o	r well name: GISSLER B #35 API #: 30-015-	U/L or Qtr/Qtr <u>E</u> Sec <u>14</u> T <u>17S</u>	R_30 E				
County:							
Pit		Below-grade tank					
Type: Di	rilling X Production 🔲 Disposal 🔲	Volume:bbl Type of fluid:		_			
W	orkover	Construction material:					
Lined X	Unlined 🔲	Double-walled, with leak detection? Yes 🔲 If					
Liner type	e: Synthetic X Thickness 20/40 mil Clay Volume						
		Less than 50 feet	(20 points)				
-	ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)	RECEIVED			
water elev	vation of ground water.) MORE THAN 100'	100 feet or more	(0 points)	JUN 0 7 2004			
Wellhead	protection area: (Less than 200 feet from a private domestic	Yes	(20 points)	OOD ARTES			
	rce, or less than 1000 feet from all other water sources.) NO	No	(0 points)				
Distance	to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)				
irrigation	canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)				
	MORE THAN 1000'	1000 feet or more	(0 points)				
		Ranking Score (Total Points)					
If this is	a pit closure:						
(1)	attach a diagram of the facility showing the pit's relationship to of	ther equipment and tanks.					
(2)) Indicate disposal location: onsite offsite If offsite, name of facility						
(3)	Attach a general description of remedial action taken including remediation start date and end date.						
(4)	Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth below ground surfaceft. and attach sample results.						
(5)	Attach soil sample results and a diagram of sample locations and excavations.						
	ertify that the information above is true and complete to the best of a structed or closed according to NMOCD guidelines.	my knowledge and belief. I further certify that t	the above-described pit o	r below-grade tank has			
71	structed or closed according to NMOCD guidelines.	At	la MI				
•	ame/Title STERLING RANDOLPH/ PETROLEUM ENGINE		cuning				
Your certs otherwise regulation	ification and NMOCD approval of this application/closure does not a endanger public health or the environment. Nor does it relieve the case.	relieve the operator of liability should the contents operator of its responsibility for compliance with a	s of the pit or tank contami any other federal, state, or	nate ground water or local laws and/or			
Approval	V 0 2001	//00					
Dav:UI	V 9 2004 A - 11 1 77	. L. XX					
Printed N	ame/Title	Signature 200					
	Y						



DRILLING PLAN

BURNETT OIL CO., INC.
LEASE NO.NMNM 074939
GISSLER B LEASE, WELL NO.35
UNIT LETTER E
2310' 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 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 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) Mud program: 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

operations on this well:

- (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
 - 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. Visual warning systems:

- 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:

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:

- 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.

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:

 Drill stem testing or coring 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 3 miles. Turn north on County road 220 (Square Lake) and go approximately 1.2 mile to caliche road. Turn west to caliche road and go 1.1 miles to lease road, turn left and follow to the Gissler B #25 location. This well is approx 500' Southeast of GB#25.
- (2) Access roads to be constructed: This location will require 187' of additional lease road from the existing 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 Gissler B3-3 production facility on the lease. We propose to above ground commingle this Cedar Lake, Yeso production with the approved existing Yeso & Grayburg production by laying approximately 300'of new flowline from this well pad to the existing Gissler B #33 flowline ROW then along existing flowline ROW to the Gissler B #3-3 Tank Battery. We will apply for an amended ROW for the portion of the line that crosses the lease line.
- (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) <u>Construction materials</u>: 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: June 4, 2004

Sterling P. Randolph Petroleum Engineer

State of New Mexico

DISTRICT I P.O. Box 1980, Hobbs, NM 68241-1980

Energy, Minerals and Natural Resources Department

DISTRICT II

P.O. Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Form C-102 Revised February 10, 1994

Submit to Appropriate District Office

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.

Belieforn 24/3/04

LA

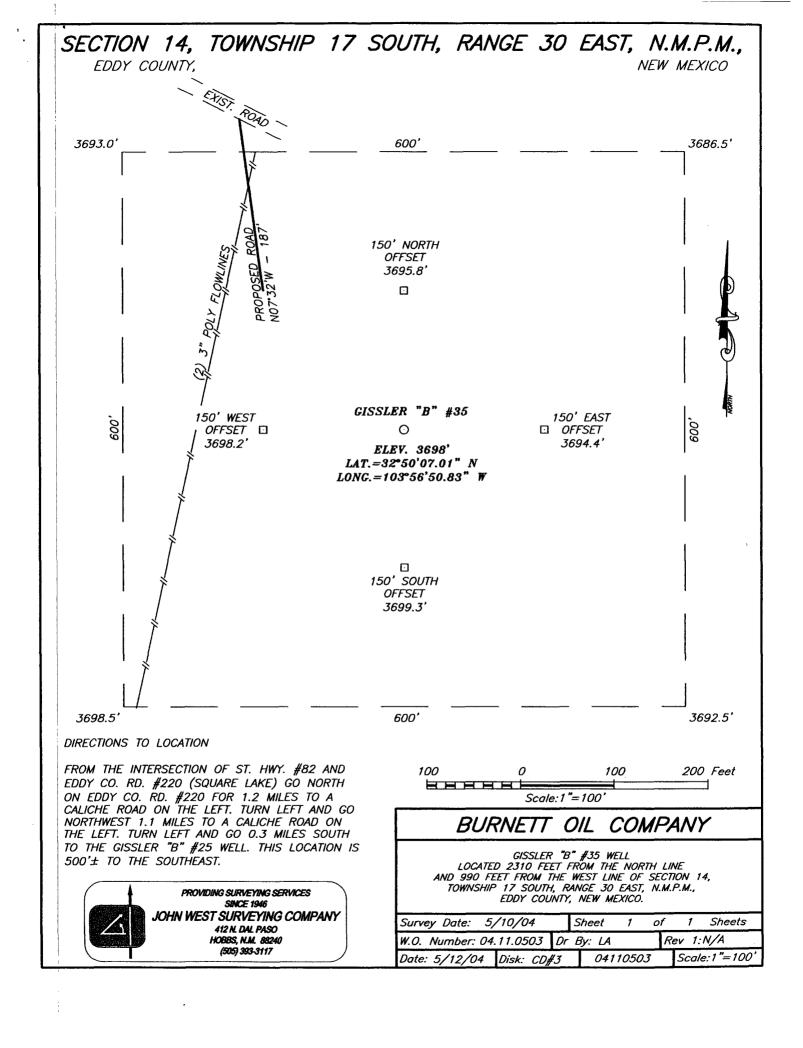
12641

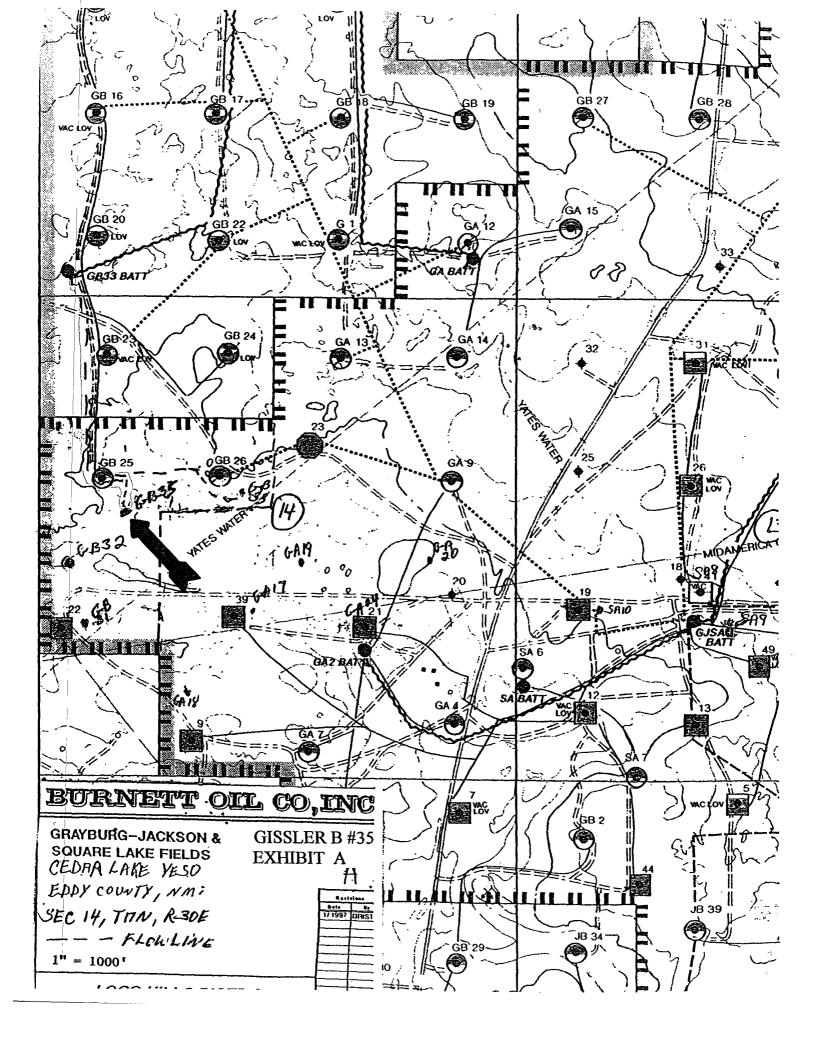
Date Surveyed

Certificate No. GARY EBSON

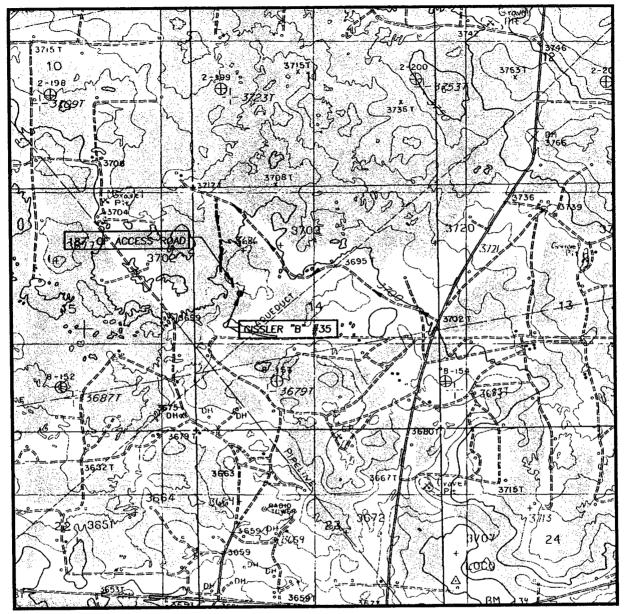
State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos R	₹d., Aztec, N	M 87410		Santa F	e, New Mexic	eo 87504-2088				
DISTRICT IV P.O. BOX 2088, SANT.	'A PE, N.M. 87	504-2088	WELL LO	CATION	AND ACREA	AGE DEDICATI	ON PLAT	□ AMEND	ED REPORT	
O x API	Number		6.	Pool Code			Pool Name	1		
-30-QL	<u> </u>		467	<u> 778 </u>	160	CO HILL	s IHDD	OCK		
Property Code			, .		Property Nam			Well Number		
1 ORX	1 <u>87</u>			T-10-12		'B"		35		
OGRID N			¥**	DIID	Operator Nam			Elevation		
WQ 30	80	<u> </u>		BUK	NETT OIL C	UMPANI		3698	<u> </u>	
					Surface Loca	ation				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
E	14	17-S	30-E		2310'	NORTH	990'	WEST	EDDY	
<u> </u>		L	Bottom	Hole Loc	cation If Diffe	erent From Sur	face	<u> </u>	<u></u>	
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
						,		1		
Dedicated Acres	a Joint c	r Infill Co	nsolidation	Code Or	der No.	<u> </u>	1	<u> </u>	<u> </u>	
40	3 Jones 5	1 111111	H30HHAHOL	51.	der no					
L.										
NO ALLO)WABLE V					UNTIL ALL INTER APPROVED BY		EN CONSOLIDA	ATED	
	4 1			T	T		OPERATO	OR CERTIFICAT	rion	
·	1 1			1	1					
				1		1 3	ny certify the the in n is true and compl			
							1 1	wledge and belief.		
				1 .						
					•		At 1	' 1	11 1	
	2310'			1			/	ng landt	902	
 	— j—_ ˈ		- — –	 	 '-		Signature	/ /	•	
		GEO	DETIC CO	ORDINATES	s			RANDOLPH		
	1		NAD 27	NME	ı		Printed Nam			
	. .	00.51	Y=66780.	22 N			PETROLEU	M ENGINEER		
3693.0		86.5'	X=61852		1		June.	H. 200	2 LL	
	1 -1		<u> </u>				Date	T, auc		
990'+	<u>→</u>		T.=32*50'(G.=103*56		,,		 V			
[] L.	_600	LUN	G.=103 30	<i>) </i>	1		SURVEYO	OR CERTIFICAT	rion	
3698.5	36	92.5		T —			71			





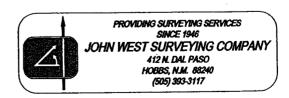
LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

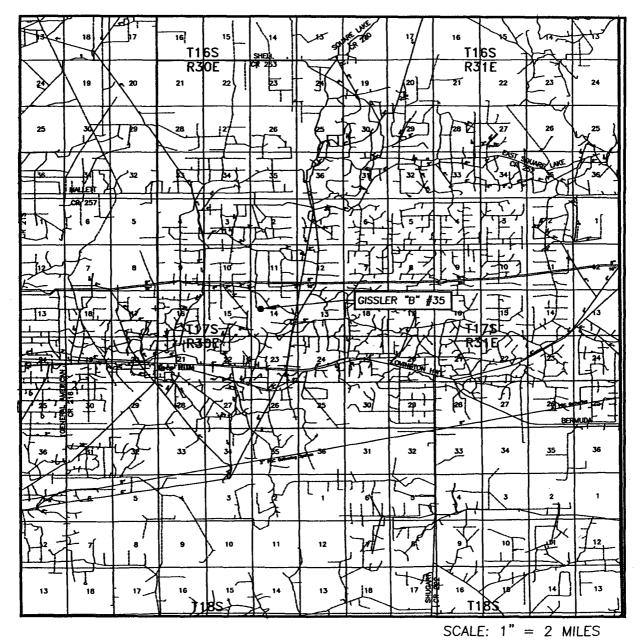
CONTOUR INTERVAL: LOCO HILLS, N.M. - 10'

SEC. 14 T	WP. <u>17-S</u> RGE. <u>30-E</u>
SURVEY	N.M.P.M.
	EDDY
	2310' FNL & 990' FWL
	3698'
-	BURNETT OIL COMPANY
LEASE	GISSLER "B"
U.S.G.S. TOP	POGRAPHIC MAP

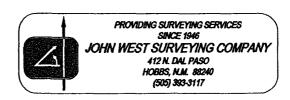


GISSLER B #35 EXHIBIT B

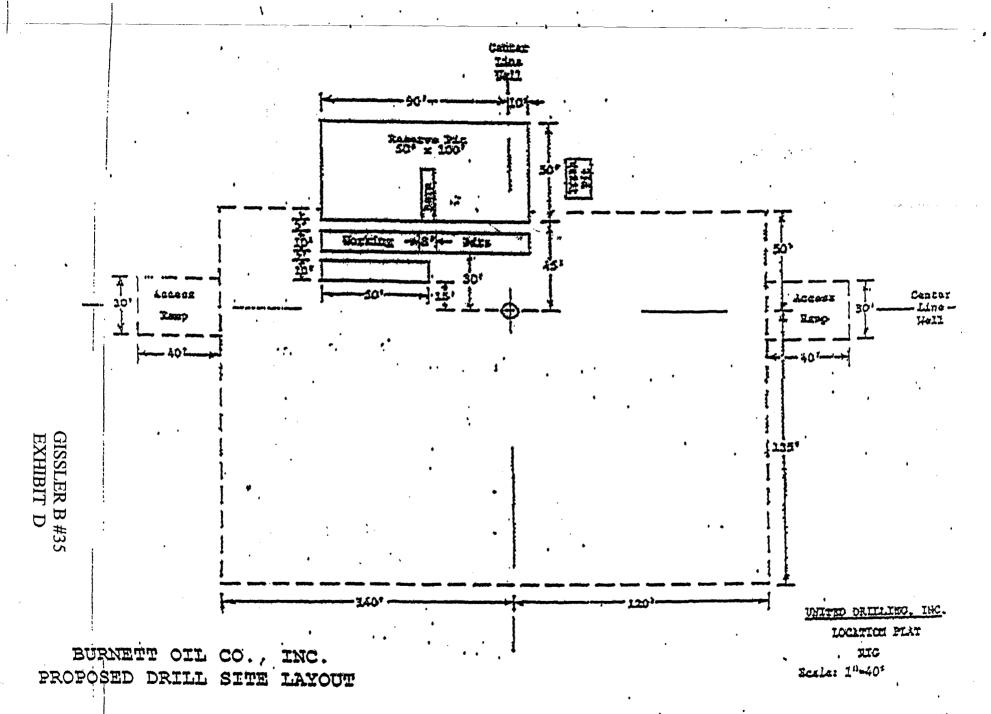
VICINITY MAP



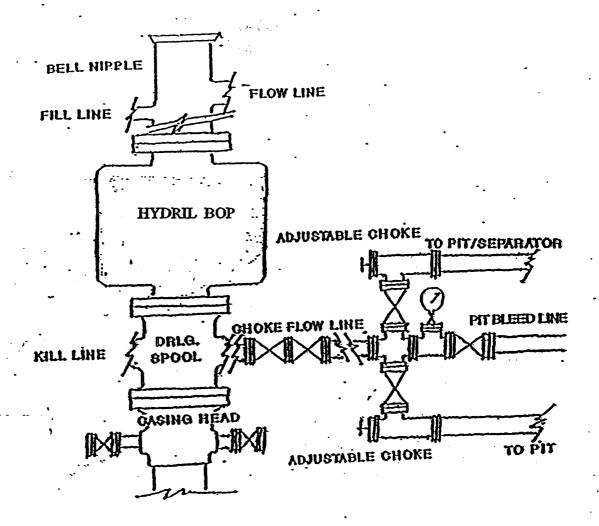
SEC. 14 T	WP. <u>17-S</u> RGE. <u>30-E</u>
SURVEY	N.M.P.M.
COUNTY	EDDY
DESCRIPTION	2310' FNL & 990' FWL
ELEVATION_	3698'
OPERATOR	BURNETT OIL COMPANY
LEASE	CISSI ED "D"







168 26



BURNETT OIL CO., INC.

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

GISSLER B #35 EXHIBIT E



June 3, 2004

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

Re: H2S Rule 118 Contingency Plan. Gissler B #35,Unit E, 2310' FNL, 990' FWL SEC.14, T17S, R30E- Eddy County, New Mexico RECEIVED

JUN 0 7 2004 USD:ARTESIA

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