Form 3160-3		OCL	-AKIE	SIA		Ì		APPROVED	
(August 1999)				RECEIVE	:ח]		. 1004-0136 ember 30, 2000	
		LINITED STATES		LIED-CHIA C	`			ember 30, 2000	
	DE	UNITED STATES PARTMENT OF THE IN	TEDIOD	MAY 0 5 20	106	5. Lease S			
		REAU OF LAND MANG		SIGH: MITH	MGS	NMNM 1114	, Allottee or	Trihe Name	
	20				292 W.A.	o. ii iiidiaii	, Allottee of	Tribe Name	
	PPLICATION F	OR PERMIT TO D	RILL OR R	EENTER					
1a. Type of Work:	X DRILL	RE	ENTER	e 35	787	7. If Unit o	r CA Agreem	nent, Name and No.	
		h —			•	8. Lease N	ame and We	II No.	
1b. Type of Well:	Oil Well X	Gas Well Other	Single	Zone L Multip	ole Zone	NEW 25 FE			
2. Name of Operat		7377				9. API Well No. 30 - 015 - 34842			
	esources, Inc.		lah Ohaaa N	la diametrale anno					
3a. Address	0007 Millered T	, 70700	l	lo. (include area d	ode)	I	nd Pool, or E	•	
	ox 2267, Midland, TX		(432) 686-36					; Wolfcamp, West	
4. Location of Wel	ii (Report location	clearly and in accordar	ice with any S	•	•	1	, к., м., ог в Г16S-R24E, !	lk. And Survey or A	rea
At surface	660' FSL & 7	60' FEL (U/L P)		Fino VI		Section 25,	i 103-R24E, i	N.IVI.F.IVI.	
At proposed pro	od. Zone	660' FNL & 760' FEL (U/L A)	By Com	D				
14. Distance in mile	es and direction fro	m nearest town or pos	t office*			12. County	or Parish	13. State	
11.5 miles NW from A	Artesia					Eddy		New Mexico	
15. Distance from p	roposed*	660'	16. No. of A	cres in lease	17. Spacin	g Unit dedica	ted to this v	vell	
location to near			320)	E/2				
property or leas					•				•
	t drig. Unit line, if a								
18. Distance from p	roposed location* drilling, completed		19. Propose 4,653' TVD	d Depth	20. BLM/B NM2308	A Bond No.	on file		
applied for, on t			8,516' TMD	ı	141412300				
21. Elevations (Sho		R RT GL etc)	 	∟i nate date work wi	l	23. Estimat	ed duration		
Gr 3647'	ar uniotato. Di , ito	D, 1(1), DZ, 010,	4/15/2006			30 days			
0.0011				ttachments	Ŕ	oswell Con	rolled Wat	er Basin	
The following complet	ted in accordance w	th the requirements of O	nshore Oil an	Gas Order No. 1,					
				ı					
Well plat certified to	by a registered surve	eyor.		Į.	•	s unless cove	red by an exi	sting bond on file (se	Эe
2. A Drilling Plan.				item 20 above	•				
		n National Forest Sytem	Lands, the	5. Operator cert	fication.				
SUPO shall be filed	f with the appropriat	e Forest Service Office)		6. Such other sit	-	ormation and/o	or plans as m	ay be required by the	9
25. Şignaturg	М. ,		Name (Printe		1001.		Date		_
Jun D.	Note		Donny G. (Glanton			3/9/2000	3	
Title									
SR ROW LEASE OP	ERATIONS REPRE	SENTATIVE							
Approved by (Signate S/Ru	ture) ISSELLE. SOI	'ensen	Name (Printe	ed/Typed) Russell E.	Sorens	en	Date M	AY 0 3 2995	
Title			Office				·	····	
Application PIE			equitable 424-4	CARLSB	AD FIE	LD OF	rice		
operations theron.	a not warrant or certify	the applicant holds legal or	equitable title to	those rightes in the				to conduct	~

Conditions of approval, if any, are attached

APPROVAL FUND I

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United

States any false, fictitious or fraudulent statements or representations as to any matter within its jurisidiction.

*(Instructions on reverse)

APPROVAL FOR 1 YEAR

District 1

1625 N. French Dr., Hobbs, NM 88240

District II

District II 1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District N

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease- 4 Copies

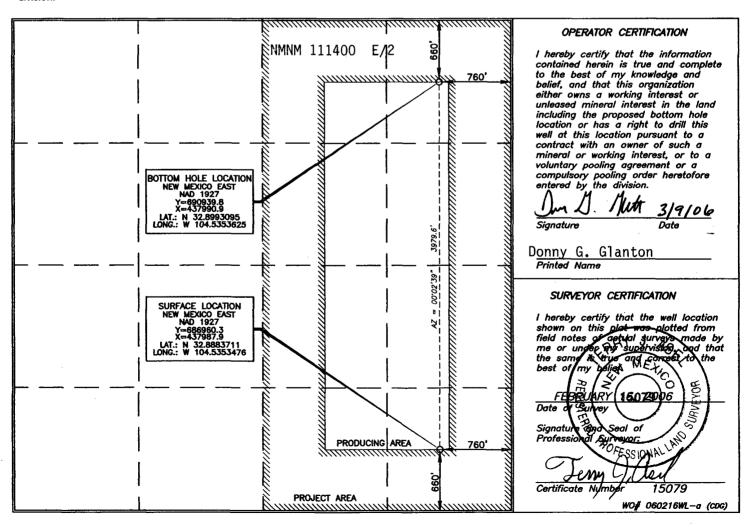
Fee Lease-3 Copies

☐ AMENDED REPORT

	WELL LUCATION AND AC	REAGE DEDICATION PLAT	
API Number	Pool Code	Pool Code Pool Name	
	75260	Undes Cottonwood Creek; Wolfc	amp, West
Property Code	Proper NEW 25	Well Number 1 H	
OGRID No.	Operat	tor Name	Elevation
7377	• • • EOG RESOL	JRCES, INC.	3647'

Surface Location Ill or lot no Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County 16 SOUTH 24 EAST, N.M.P.M. 660 ·SOUTH 760 **EAST EDDY** 25 Bottom Hole Location If Different From Surface UL or lot no. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County 25 16 SOUTH 24 EAST, N.M.P.M. 660 **NORTH** 760 **EAST EDDY** Dedicated Acres Joint or Infill Consolidation Code Order No.

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.



EOG RESOURCES, INC. New 25 Fed No. 1H Eddy Co. NM

1. GEOLOGIC NAME OF SURFACE FORMATION:

Quaternary Alluvium

0-200

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

San Andres	665'
Glorieta	2,035'
Tubb	3,326'
Abo Shale	4,015'
Wolfcamp Pay	5,065'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Quanterary Alluvium	0- 200'	Fresh Water
San Andres	665'	Oil
Glorieta	2,035'	Oil/Gas
Tubb	3,326'	Oil/Gas
Abo/Wolfcamp Pay	5,065	Gas

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 7" casing at 900' and circulating cement back to surface.

4. CASING PROGRAM

Hole Size	<u>Interval</u>	OD Casing	Weight Grade Jt. Conn. Type			
9.875"	0-900'	7"	23#	J-55	LT&C	
6.125"	0-8,516'	4.5"	11.6#	P-110	LT&C	

Cementing Program:

7" Surface Casing: Cement to surface with 150 sx Prem Plus, 3%

Econolite 0.25 pps Flocele, 2% Calcium Chloride, 175 sx Prem Plus, 2% Calcium Chloride, 0.25 pps

Flocele

4-1/2" Production Cement to surface with 450sx Interfill C,+ 0.25 pps

Flocele; 350 sx Premium Cement, 100% Acid Soluble Additive, + 0.6% Halad-344 + 0.8%

Econolite+ 0.2% HR-55...

EOG RESOURCES, INC. New 25 Fed No. 1H Eddy Co. NM

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

(SEE EXHIBIT #1)

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All BOP's and accessory equipment will be tested in accordance with Onshore Oil & Gas order No. 2. for a 3M system.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The well will be drilled to TD with a combination of brine, cut brine, and polymer mud system. The applicable depths and properties of this system are as follows:

		Wt	ViscositWaterloss		
<u>Depth</u>	<u>Type</u>	(PPG)	(sec)	<u>(cc)</u>	
0-900'	Fresh – Gel	8.6-8.8	28-34	N/c	
900'-4400'	Cut Brine	8.8-9.2	28-34	N/c	
4,400'-5,200'	Cut Brine	8.8-9.2	28-34	10-15	
4.318'-8.516'	Polymer (Lateral)	9.0-9.4	40-45	10-25	

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.

8. LOGGING, TESTING AND CORING PROGRAM:

Electric logging will consist of GR-Dual Laterlog and GR-Compensated Density-Neutron from +/-900' to TVD.

Possible sidewall cores based on shows.

EOG RESOURCES, INC. New 25 Fed No. 1H Eddy Co. NM

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom hole temperature (BHT) at TD is 125 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 2000 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

EOG RESOURCES, INC. New 25 Fed No. 1H Eddy Co. NM

SURFACE USE AND OPERATIONS PLAN Surface is owned by the BLM

<u>Directions to Well Site</u>: From the Intersection of U.S. Hwy 82 & U.S. Hwy 285, Go west on Hwy 82 for 11.3 miles; Thence north on County Road No. 95 (Joy Road) for 4.2 miles; Thence east on County Road No. 75 for 1.8 miles; Thence south 0.9 miles; Thence east for 0.8 miles; Thence north 0.1 miles to the proposed location.

1. EXISTING ROADS:

Access to location will be made as shown on Exhibit #2

Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

2. PROPOSED ACCESS ROAD:

10,236' of new road is required (See Exhibit 2a). The proposed road will be a continuation of access along County Road No. 75; Thence south alongside and parallel with the east side right of way of EOG's existing 12' mainline; Thence east onto a State of New Mexico two track road; Thence north directly into the proposed well location.

No turnouts necessary.

No culverts are necessary. The grazing lessee has requested a cattleguard at the fence separating Section(s) 26 & 25. No low-water crossings are necessary.

Surfacing material consists of native caliche to be obtained from the nearest BLM-approved caliche pit. Any additional materials required will be purchased from the dirt contractor.

3. LOCATION OF EXISTING WELLS:

Exhibit #3 shows all existing wells within a one-mile radius of this well.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

There are no existing production facilities. If production is encountered, a temporary facility will be established on the drill pad, and if warranted, a production facility would be built at a later date in the immediate area of the drill pad location. If the well is productive, a flowline will be built to the nearest pipeline.

EOG RESOURCES, INC. New 25 Fed No. 1H Eddy Co. NM

5. LOCATION AND TYPE OF WATER SUPPLY:

Fresh water and brine water for drilling will come from commercial sources and transported to the well site over the roads as shown on Exhibit 2 & 2a and by temporary water supply lines.

6. PLANS FOR RESTORATION OF THE SURFACE:

After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Location will be cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible.

Any unguarded pits containing fluid will be fenced until they are dry and back filled.

After abandonment of the well, surface restoration will be in accordance with current federal laws and regulations. Location will be cleaned, and the well pad removed to promote vegetation and disposal of human waste will be complied with. Trash, waste paper, garbage and junk will be hauled to an approved disposal site in an enclosed trash trailer.

All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

ANCILLARY FACILITIES:

No airstrip, campsite, or other facilities will be built.

WELL SITE LAYOUT:

Exhibit #4 shows the relative location and dimensions of the well pad.

EOG RESOURCES, INC. New 25 Fed No. 1H Eddy Co. NM

OTHER INFORMATION:

The area around the well site is grassland and the topsoil is sandy. The vegetation is native scrub grass.

COMPANY REPRESENTATIVES:

Permitting & Land

Mr. Donny G. Glanton
Senior ROW Lease Operations Representative
EOG Resources, Inc.
P.O. Box 2267
Midland, TX 79702
(432) 686-3642 Office

Drilling

Operations

Mr. Ron McIntyre or Mr. Jason LaGrega Division Drilling Engineers EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702 (432) 686-3640 Office (432) 686-3633 Office Mr. Howard Kemp Production Manager EOG Resources, Inc P.O. Box 2267 Midland, TX 79702 (432) 686-3704 Office

CERTIFICATION:

I HEREBY CERTIFY that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Jason La Grega

Division Drilling Engineer

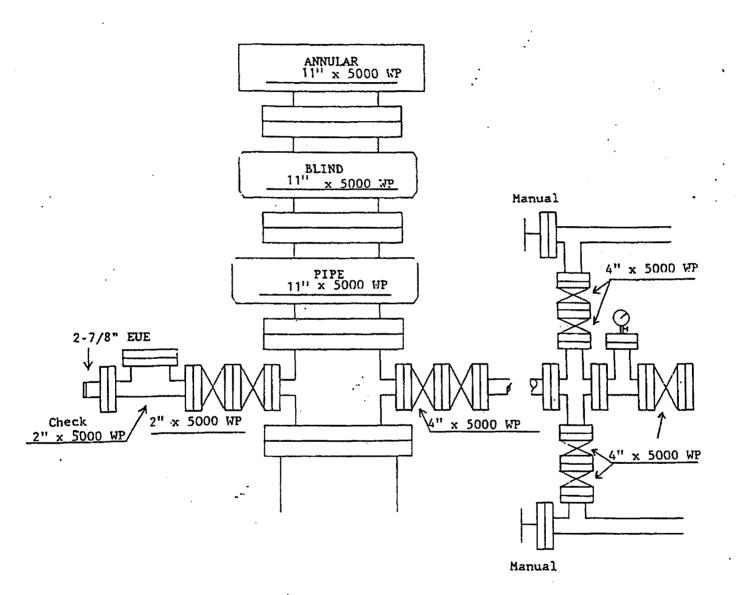
DATE: 3/1/04

EOG RESOURCES, INC. New 25 Fed No. 1H Eddy Co. NM

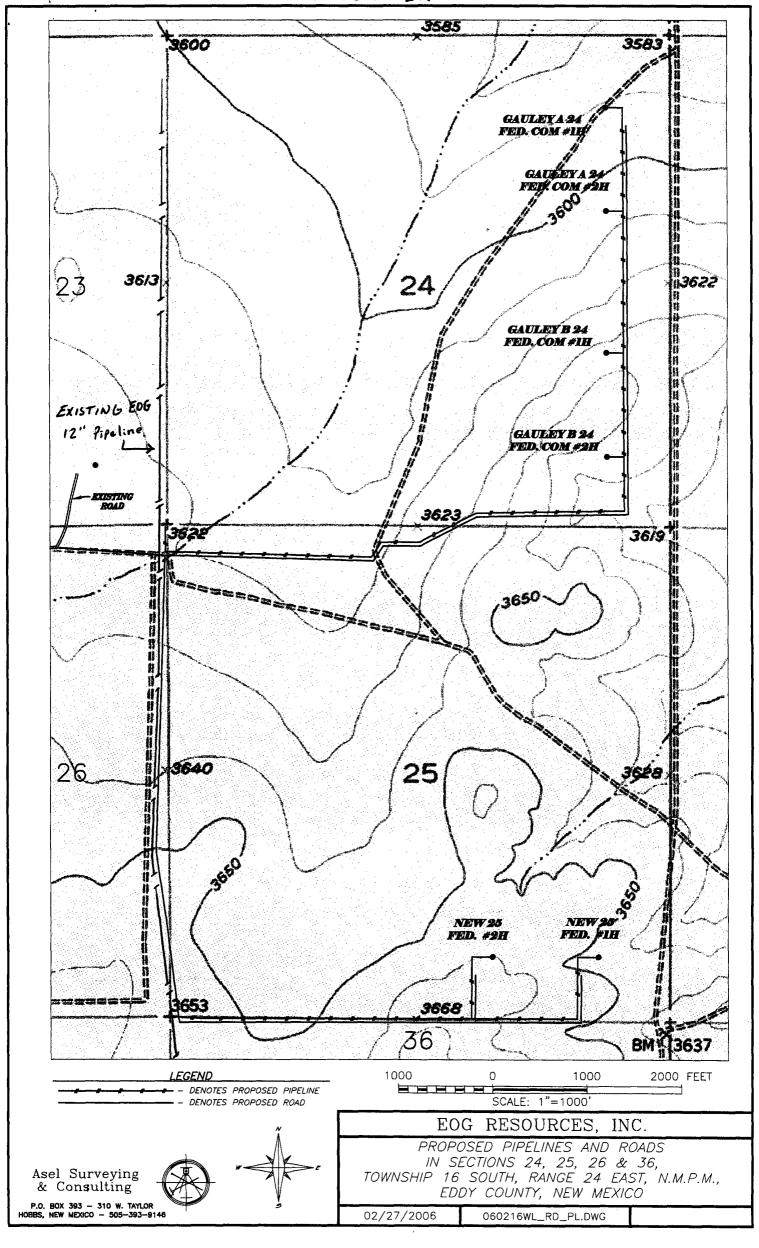
ATTACHMENT TO EXHIBIT #1

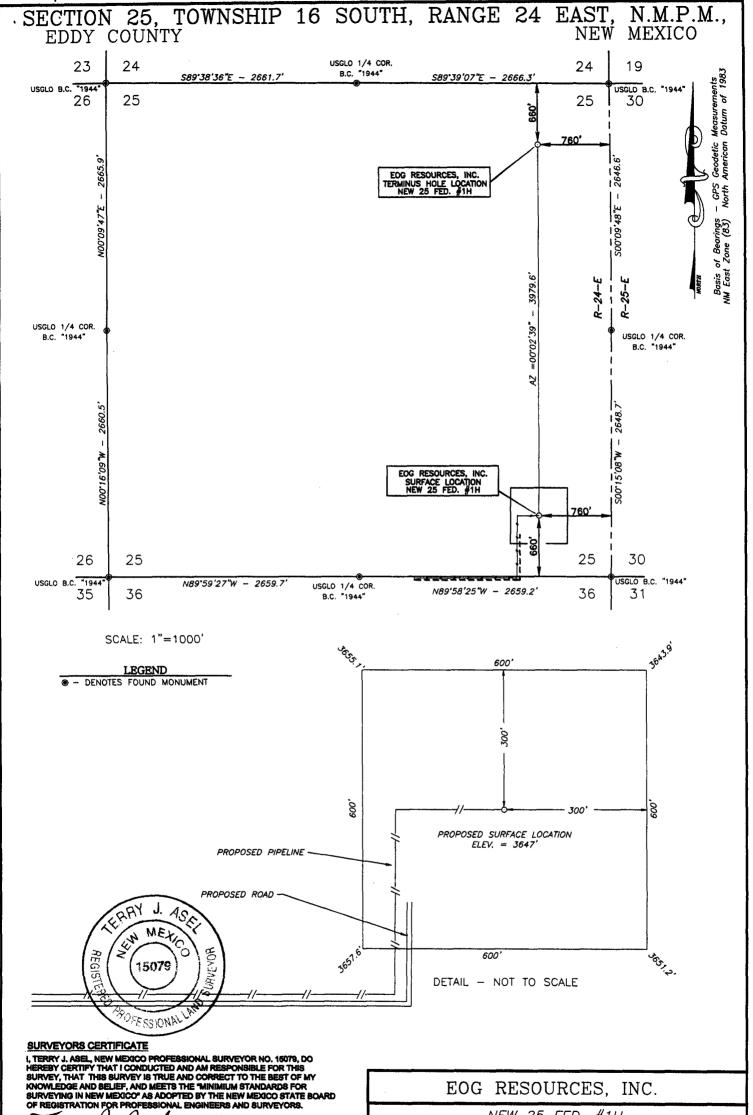
- 1. Wear ring to be properly installed in head.
- 2. Blow out preventer and all fittings must be in good condition, 3000 psi W.P. minimum. Exhibit #1.
- 3. All fittings to be flanged
- 4. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 3000 psi W.P. minimum.
- 5. All choke and fill lines to be securely anchored especially ends of choke lines.
- 6. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
- 7. Kelly cock on kelly.
- 8. Extension wrenches and hand wheels to be properly installed.
- 9. Blow out preventer control to be located as close to driller's position as feasible.
- 10. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

NEW 25 Federal No. 1H



· Exhibit 1





Terry J. Asel N.M. R.P.S. No. 15079 Asel Surveying & Consulting

2/28/2006

asel

P.O. BOX 393 - 310 W. TAYLOR HOBBS, NEW MEXICO - 505-393-9146

EOG RESOURCES, INC.

NEW 25 FED. #1H IN SECTION 25, TOWNSHIP 16 SOUTH, RANGE 24 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date:	02/16/2006	Sheet	1	of	1	Sheets
W.O. Number:	060216WL-a	Drawn	Ву:	CDG		
Date: 02/20/	060216	NL-a.	DWG S	cale:	1"=1000'	

Statement Accepting Responsibility For Operations

Operator Name:

EOG Resources, Inc.

Street or Box:

P.O. Box 2267 Midland, TX

City, State: Zip Code:

79702

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Lease No.: NMNM 111400

Legal Description of Land: E/2 of Section 25, T-16-S; R-24-E, N.M.P.M., Eddy Co.

NM

Formation: Wolfcamp

Bond Coverage: Nationwide

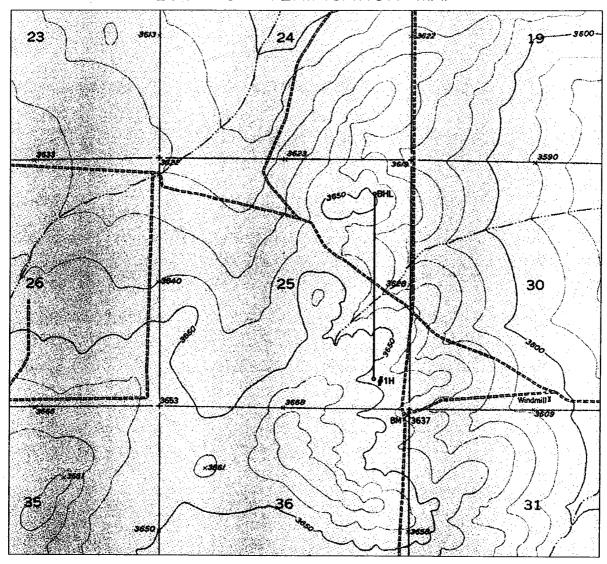
BLM Bond File No.: NM2308 with endorsement to State of NM

Authorized Signature: Donny G. Glanton

Date: 3/9/2006

Title: Agent

LOCATION VERIFICATION MAP



SEC. <u>25</u> TWP. <u>16-S</u> RGE. <u>24-E</u> SURVEY_____N.M.P.M. COUNTY____EDDY DESCRIPTION 660' FSL & 760' FEL ELEVATION 3647' OPERATOR EOG RESOURCES, INC LEASE NEW 25 FED #1H U.S.G.S. TOPOGRAPHIC MAP HOPE NE, NM

CONTOUR INTERVAL = 10 FEET SCALE 1" = 2000'



Asel Surveying & Consulting P.O. BOX 393 - 310 W. TAYLOR HOBBS, NEW MEXICO - 505-393-9146

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: EOG Resources Incorporated Well Name & No: New 25 Federal No. 1 H

Location: Surface 660' FSL & 760' FEL, BHL: 660'FNL, 760' FEL, Sec. 25, T. 16 S. R. 24 E.

Lease: NMNM 111400 Eddy County, New Mexico

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell, NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:

A. Spudding

30

- B. Cementing casing: 7 inch; 4 ½ inch;
- C. BOP Tests
- 2. A Hydrogen Sulfide (H2S) Drilling Plan is not required for this well bore.
- 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 7 inch shall be set at 850 Feet with cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.
- 2. The minimum required fill of cement behind the 4 1/2 inch Production casing is to circulate to surface.

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 13 ½ 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 2 M psi.
- 3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the test.
- -The test 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 safe workman-like manner. Hard line connections shall be required.
- -Both low pressure and high pressure testing of BOPE is required.