Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS
HOBBS OCD
MAR 19 2012
RECEIVED

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.
NMNM94629 SL NMNM94131 BHL

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
Pitchblende 19 1H Fed Com

2. Name of Operator
EOG Resources Inc.

9. API Well No.
30-025-40435

3a Address
P.O. Box 2267 Midland, Texas 79702

3b. Phone No. *(include area code)*
432-686-3689

10. Field and Pool, or Exploratory Area
Hardin Tank; Bone Spring

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1980' FNL & 440' FWL, SWNW, Sec 19, T25S, R35E SHL
330' FSL & 660' FWL, SWSW, Sec 30, T25S, R35E BHL

11. County or Parish, State
Lea NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[X] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

EOG Resources wishes to amend our APD for this well reflecting a change in BHL and casing.
Proposed BHL is being changed to 330' FSL & 660' FWL, U/L M, Sec 30, T25S, R35E

Casing changes are : 11-3/4" to 13-3/8"
8-5/8" to 9-5/8"
5-1/2" 20# to 5-1/2" 17#

Amended drill plan, directional plan, C-102, and wellbore design attached.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* Stan Wagner
Title Regulatory Analyst
Signature Stan Wagner
Date 2/22/2012

APPROVED
MAR 16 2012
WESLEY W. INGRAM
PETROLEUM ENGINEER

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Title
Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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 jurisdiction.

MAR 20 2012

HOBBS OCD

MAR 19 2012

RECEIVED

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
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 LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-40435	96661	Hardin Tank; Bone Spring

Property Code	Property Name	Well Number
	PITCHBLENDE "19" FED. COM	1H

OGRID No.	Operator Name	Elevation
7377	EOG RESOURCES, INC.	3342.3'

Surface Location

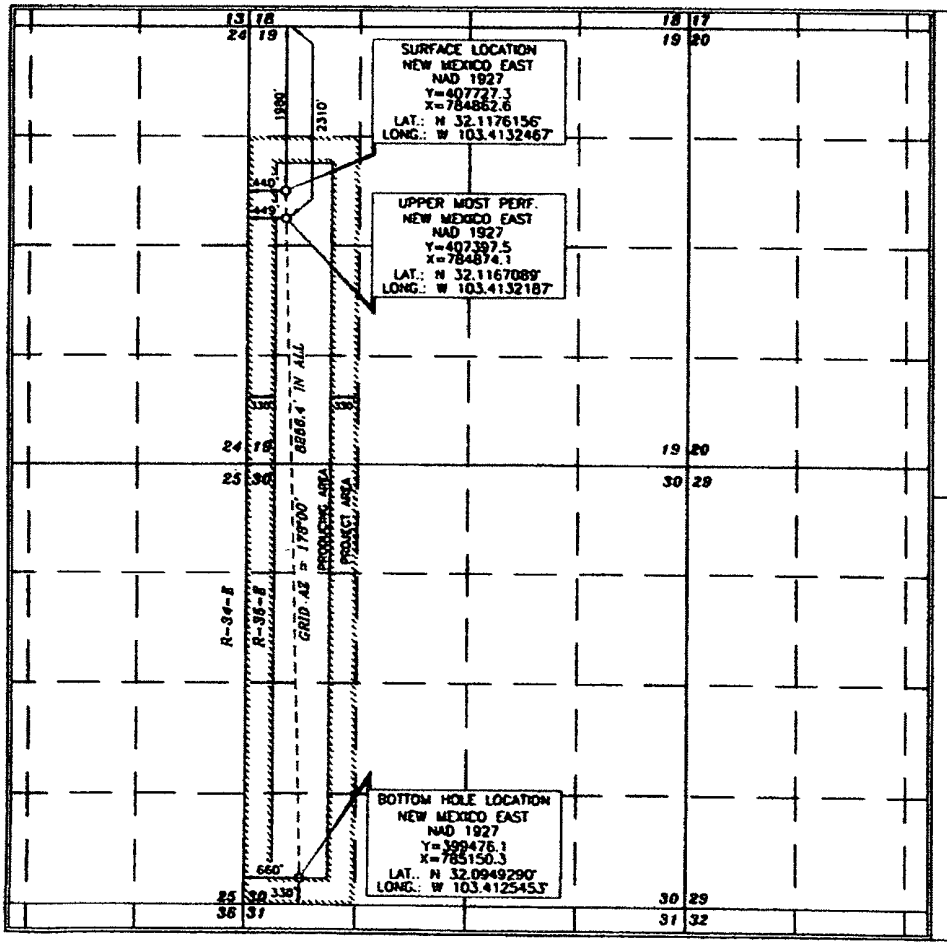
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	19	25 SOUTH	35 EAST, N.M.P.M.		1980'	NORTH	440'	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	30	25 SOUTH	35 EAST, N.M.P.M.		330'	SOUTH	660'	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
280			

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.



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 voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 2/22/12
Signature Date

Stan Wagner
Printed Name

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 supervision, and that the same is true and correct to the best of my belief.

NEW MEXICO 15079 REGISTERED PROFESSIONAL LAND SURVEYOR

SEPTEMBER 15, 2011
Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number 15079

WO# 110726WL-b (Rev. B) (KA)

EOG RESOURCES, INC.
PITCHBLENDE 19 FED COM NO. 1H
REVISED 2/27/12

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	985'
Top of Salt	1,150'
Base of Salt	5,195'
Lamar	5,445'
Bell Canyon	5,475'
Cherry Canyon	6,445'
Brushy Canyon	8,065'
Bone Spring Lime	9,245'
TD	9,600'

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

Upper Permian Sands	0- 400'	Fresh Water
Lamar	5,445'	Oil
Bell Canyon	5,475'	Oil
Cherry Canyon	6,445'	Oil
Brushy Canyon	8,065'	Oil
Bone Spring Lime	9,245'	Oil

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 13.375" casing at 1010' and circulating cement back to surface.

4. CASING PROGRAM - NEW

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
17.5"	0 – 1010'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000'-5350'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0'-17,001'	5.500"	17#	HCP110	LTC	1.125	1.25	1.60

EOG RESOURCES, INC.
PITCHBLENDE 19 FED COM NO. 1H
REVISED 2/27/12

Cementing Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft^3/ft	Slurry Description
1010'	450	13.5	1.73	Lead: Class 'C' + 4.00% Bentonite + 0.40% CD-32 + 0.35% R-3 + 0.25 lb/sk Cello Flake
	200	14.8	1.33	Tail: Class 'C' + 0.15% R-3
5,350'	850	12.7	2.22	Lead: Class 'C' + 2.00% SMS + 10.00% Salt (10.331 lb/sk) + 1.00% R-3 + 0.25 lb/sk Cello Flake
	200	14.8	1.33	Tail: Class 'C' + 0.60% FL-62 + 0.45% CD-32 + 0.10% SMS + 0.30% R-3
BH Plug 9,400'-9,600'	100	18.0	0.90	Class H + 0.005 lbs/sx Static Free + 5% Salt + 1.2% CD31 + 0.005 gps FP-6L
KO Plug 600'	300	18.0	0.90	Class H + 0.005 lbs/sx Static Free + 5% Salt + 1.2% CD31 + 0.005 gps FP-6L
17,001'	100	10.8	3.68	Lead 1: 60:40:0 Class 'C' + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.00 lb/sk LCM-1
	320	11.8	2.38	Lead 2: 50:50:10 Class 'H' + 0.80% FL-52 + 0.30% ASA-301 + 0.50% SMS + 2.00% Salt (2.215 lb/sk) + 0.10% R-21 + 3.00 lb/sk LCM-1 + 0.25 lb/sk Cello Flake
	2125	14.2	1.28	Tail: 50:50:2 Class 'H' + 0.65% FL-52 + 0.50% CD-32 + 0.40% SMS + 2.00% Salt (0.961 lb/sk)

See COA

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line).

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a double ram-type (10,000 psi WP) preventer and an annular preventer (5000-psi WP). Both units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

3000 psi BOPE is adequate for this application. Due to the 3000 psi BOPE requirement no FIT tests are planned.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 2000/ 250 psig and the annular preventer to 2000/ 250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 3000/ 250 psig and the annular preventer to 2500/ 250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes.

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.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The applicable depths and properties of the drilling fluid systems are as follows. Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1010'	Fresh Water Gel	8.6-8.8	28-34	N/c
1075' – 5,350'	Saturated Brine	10.0-10.2	28-34	N/c
5,350'– 17,001'	Cut Brine	8.5-9.3	28-34	N/c

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.

(C) H_2S monitoring and detection equipment will be utilized from surface casing point to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

Open-hole logging is anticipated in the 8-3/4" pilot hole section. The logging suites for this hole section are listed below:

NGT–CNL–LDT w/ Pe	From TD to previous casing shoe. At casing pull GR – Neutron to surface.
HR Laterolog Array	From TD to previous casing shoe.

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

The estimated bottom hole temperature (BHT) at TD is 156 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4158 psig.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

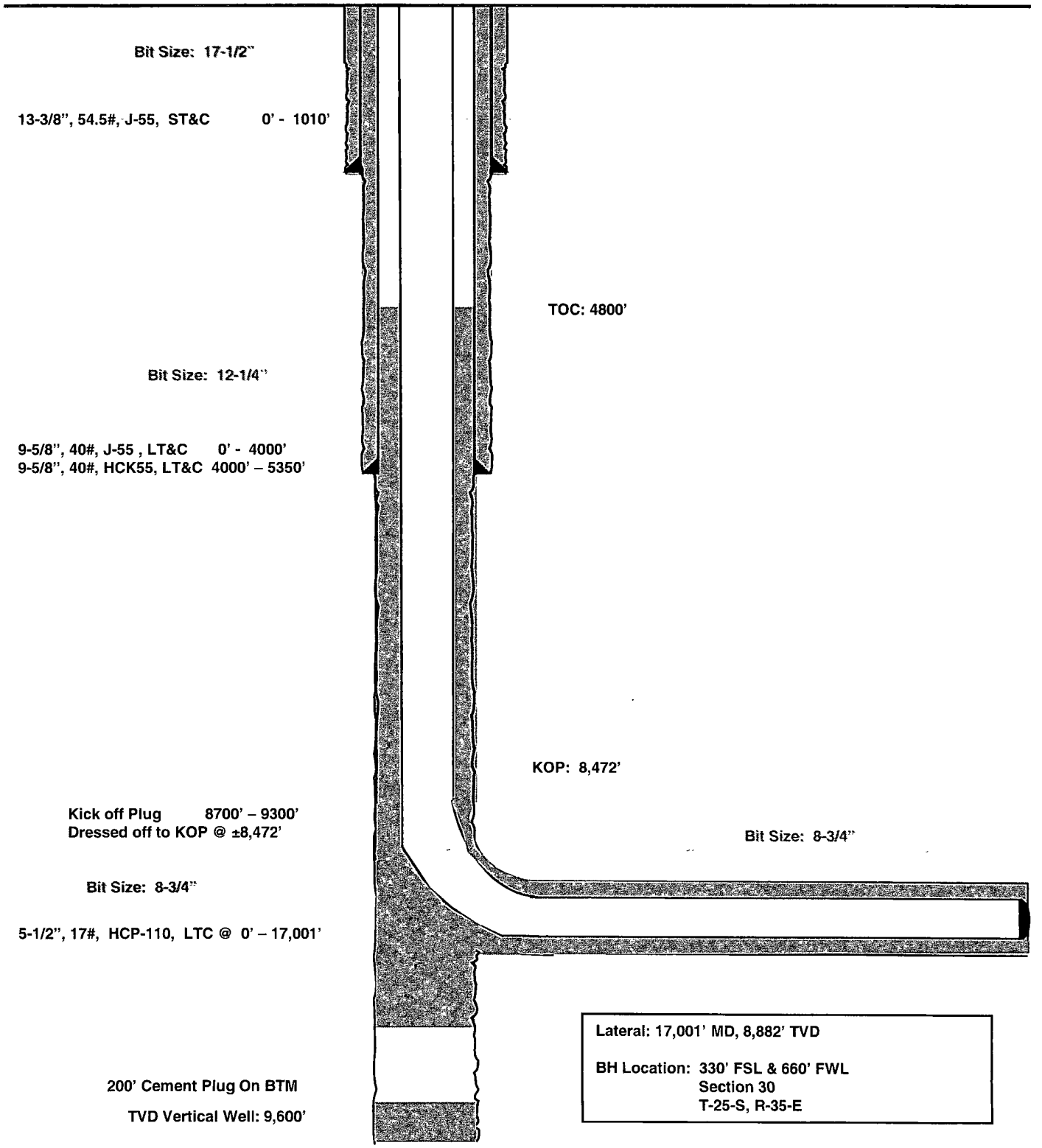
The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

Pitchblende 19 Fed Com #1H
Red Hills
Lea County, New Mexico
Revised 2/27/12
Proposed Wellbore

1980' FNL
440' FWL
Section 19
T-25-S, R-35-E

API: 30-025-40435

KB: 3,367.3'
GL: 3,342.3'



eog resources

Project: Lea County
Site: Pitchblende "19" Fed Com
Well: #1H
Wellbore: OH
Plan: Plan #2 (#1H/OH)

PATHFINDER®
A Schlumberger Company

T G M

Azimuths to Grid North
True North: -0.49°
Magnetic North: 6.92°

Magnetic Field
Strength: 48540.1snT
Dip Angle: 60.12°
Date: 2/21/2012
Model: IGRF200510

PROJECT DETAILS: Lea County
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

WELL DETAILS #1H

Ground Elevation 3342 3
RKB Elevation KB = 25 @ 3367 3usft (Cactus 139)
Rig Name: Cactus 139

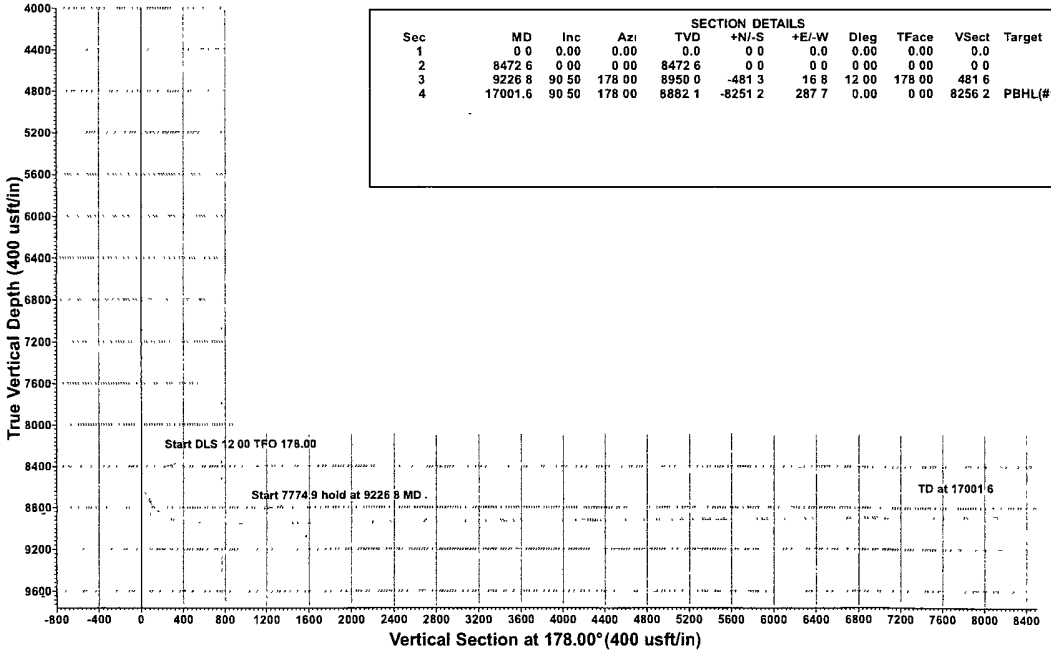
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0 0	0.0	407727.300	784862 600	32°7' 3 416 N	103°24' 47 689 W	

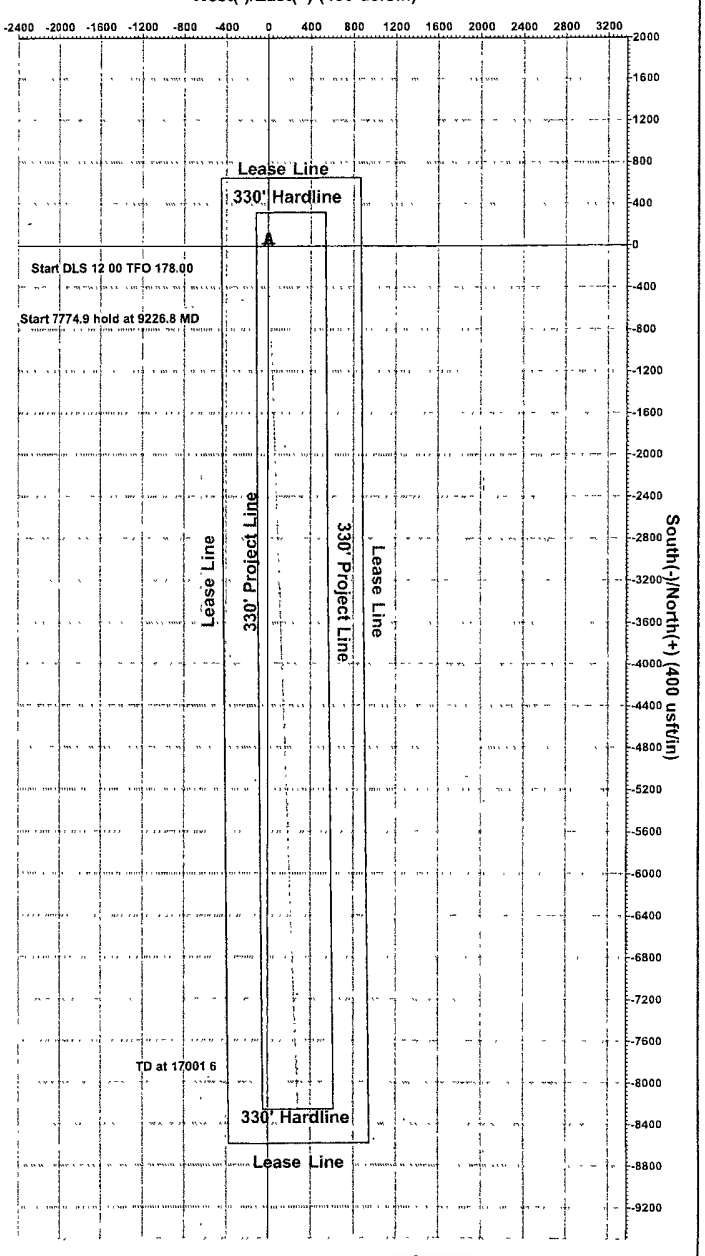
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL(#1H)	8882 1	-8251 2	287 7	399476 100	785150 300	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0 0	0.00	0.00	0.0	0 0	0.0	0.00	0.00	0.0	
2	8472 6	0 00	0 00	8472 6	0 0	0 0	0 00	0 00	0 0	
3	9226 8	90 50	178 00	8950 0	-481 3	16 8	12 00	178 00	481 6	
4	17001.6	90 50	178 00	8882 1	-8251 2	287 7	0.00	0 00	8256 2	PBHL(#1H)





Plan: Plan #2 (#1H/OH)
Created By: Sam Bittle Date: 14:02 February 21 2012