HOBBS OCD

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SEP 0 2 2011 O Form 3160-3 (April 2004)	CD-HOBBS		FORM APPRO OMB No. 1004	1-0137		
RECEIVED UNITED STATES DEPARTMENT OF THE II BUREAU OF LAND MANA	NTERIOR Split	Esta	Expires March 3 3. Lease Serial No. MNM - 125057	51, 2007		
APPLICATION FOR PERMIT TO I			6. If Indian, Allotee or Tr	ribe Name		
la. Type of work: DRILL REENTE	R			12723	X	
lb. Type of Well: Oil Well Gas Well Other	✓ Single Zone Multip	ole Zone	Lease Name and Well N EAST BLINEBRY		35023) DUNIT # 112	
2. Name of Operator APACHE CORPORATION	4873>		9. API Well No. 45.	266	,	
3a. Address 303 VETERNAS AIRPARK LN #3000 MIDLAND, TX 79705	3b. Phone No. (include are 6 code) 432-818-1167		10. Field and Pool, or Explo EUNICE; BLI-TU-	ratory -DRI, NORI	H (22900)	
4. Location of Well (Report location clearly and in accordance with any At surface 1331' FNL & 1650' FEL	State requirements*)		11. Sec., T. R. M. or Blk. and UL: G SEC 12 T		ea	
At proposed prod. zone SAME 14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State	,	
APPROX 5 MILES NORTHEAST OF EUNICE, NM			LEA		NM	
15. Distance from proposed* location to nearest property or lease line, ft.	16. No. of acres in lease	17. Spacing	Unit dedicated to this well 40 ACRES			
(Also to nearest drig. unit line, if any)	, it ally)			/BIA Bond No. on file		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 905'+ -	7300	BLM -	CO - 1463 NATIONW	IDE		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3506'	22 Approximate date work will star 03/31/2011	rt*	23. Estimated duration 10 - 12 DAYS		·	
	24. Attachments					
The following, completed in accordance with the requirements of Onshore	e Oil and Gas Order No.1, shall be a	ttached to this	form:			
 Well plat certified by a registered surveyor. A Drilling Plan. 	4. Bond to cover to Item 20 above).	he operations	s unless covered by an exist	ing bond on fi	ile (see	
3. A Surface Use Plan (if the location is on National Forest System I SUPO shall be filed with the appropriate Forest Service Office).	Lands, the 5. Operator certific 6. Such other site authorized office	specific infor	mation and/or plans as may	be required by	y the	
25. Signature Sarina L. Haris	Namé (Printed/Typed) SORINA L FLORE	ES	Date	03/22/2011		
Title DRILLING TECH	·					
Approved by (Signature) /s/ Don Peterson	Name (Printed/Typed)		DS	EP 2	2011	
Title FIELD MANAGER	Office		CARLSBAD FIE	_		
Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached.	s legal or equitable title to those righ	in the subje			D YEARS	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as t	ime for any person knowingly and vo any matter within its jurisdiction.	willfully to ma	ke to any department or age	ency of the Un	iited	
*(Instructions on page 2)						

Capitan Controlled Water Basin

Kar orlobly

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR CONDITIONS OF APPROVAL

UNITED STATES DEPARTMENT OF THE INTERIOR SEP 0 2 2011 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE 620 E. GREENE STREET CARLSBAD, NM 88220

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

Operator Name:	APACHE CORPORATION				
Street or Box:	303 VETERANS AIRPARK LANE, STE. 3000				
City, State:	Midland, TX				
Zip Code:	79705				
The undersigned a concerning operatibelow:	ccepts all applicable terms, conditions, stipulations, and restrictions ons conducted on the leased land or portion thereof, as described				
Lease No: NM	INM – 125057 EBDU #114				
Legal Description	of Land: 1331' FNL & 1650' FEL				
UL:_G Section	n: <u>12</u> Township: <u>21S</u> Range: <u>37E</u>				
County: LEA	State: NM				
Bond Coverage: _	\$150,000				
Statewide Oil and	Gas Surety Bond, APACHE CORPORATION.				
BLM Bond File N	o.: BLM-CO-1463 NATIONWIDE				
Signature: <u>Bo</u>	Uny L Smith Printed Name: BOBBY L. SMITH				
Title: DR	ILLING MANAGER, PERMIAN REGION				
Date:	21/2011				

Apache Corporation Responsibility Letter

SEP 0 2 2011

PRIVATE SURFACE OWNER AGREEMENT

RECEIVED

OPERATOR: APACHE CORPORATION
WELL NAME: EAST BLINEBRY DRINKARD UNIT #114
UL: G SECTION: 12 TOWNSHIP: 21S RANGE: 37E
LOCATION: 1331' FNL & 1650' FEL COUNTY: LEA STATE: NM
LEASE NUMBER: NMNM - 125057
STATEMENT OF SURFACE USE
The surface to the subject land is owned by WILLIAM O. STEPHENS, PO BOX 115, EUNICE, NM 88231
The surface owner has been contacted regarding the drilling of the subject well, and an agreement for surface use has been negotiated.
CERTIFICATION: I hereby certify that the statements made in this statement are to the best of my knowledge, true and correct.
Derenn 1 Dal
Signature
NAME: JEREMY WARD
DATE: / 21 / 11
TITLE: DRILLING ENGINEER
To expedite your Application to Drill please fax the completed form to the Bureau of Land Management (575) 234-5927 or (575) 885-9264 Attention: Legal Instruments Examiner 620 E. Green Street Carlsbad, NM 88220

The original document with signature should be mailed as soon as possible.

DRILLING PLAN: BLM COMPLIANCE (Supplement to BLM 3160-3)

SEP 02 2

APACHE CORPORATION (OGRID: 873)

East Blinebry Drinkard Unit #114

Lease #: NMNM-125057

Projected TD: 7300'

RECISION

1331' FNL & 1650' FEL, UL: G SEC: 12 T21S R37E LEA COUNTY, NM

1. GEOLOGIC NAME OF SURFACE FORMATION: Quaternary Aeolian Deposits

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS & DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

FORMATION	WELL DEPTH	WATER/OIL/GAS
Quaternary Aeolian	Surf	
Rustler	1520′	
Salt Top	1570′	
Salt Bottom	2656'	
Yates,	2830′	
Queen	3635'	
Grayburg	3975'	
San Andres	4230′	
Glorietta	5425′	
Blinebry	5895′	Oil
Tubb	6420'	Oil
Drinkard	6720′	Oil
ABO	7005′	
TD	7300′	
Avg Depth to Ground Water	~74′	

All fresh water & prospectively valuable minerals, as described by BLM, encountered during drilling, will be recorded by depth and adequately protected. All oil & gas shows within zones of correlative rights will be tested to determine commercial potential.

3. CASING PROGRAM: All casing is new & API approved

HOLE SIZE	DEPTH	OD CSG	WEIGHT	COLLAR	GRADE	COLLAPSE	BURST	TENSION
12-1/4"	0' – 1570'	8-5/8"	24#	STC	J-55	1.99	4.30	6.47
7-7/8"	0' – 1000'	5-1/2"	17#	LTC	L-80	12.096	3.076	2.724
7-7/8"	1000′ – 7300′	5-1/2"	17#	LTC	J-55	1.293	1.401	2.306

4. CEMENT PROGRAM:

A. 8-5/8" Surface: Run & set 8-5/8" 24# J-55 STC csg to 1570'. Cement with:

<u>Lead</u>: 470 sx Class C w/2% CaCl, 0.25% CF, 3#/sx LCM-1, 0.005 gps FP-6L, 4% Bentonite (13.5 ppg, 1.75 yld) <u>Comp Strengths</u>: **12** hr – 402 psi **24** hr – 608 psi **72** hr – 1340 psi

<u>Tail:</u> 200 sx Class C w/1% CaCl, 0.13 #/sx CF, 0.005 gps FP-6L

Compressive Strengths: **12** hr - 859 psi **24** hr - 1427 psi

(14.8 ppg, 1.34 yld)

100% excess cmt; Cmt to surf

B. 5-1/2" Production: Run & set 5-1/2" 17# L-80/J-55 LTC csg to 7300'. Cement with:

<u>Lead</u>: 530 sx (50:50) Poz (Fly ash): Class C w/5% NaCl, 0.13 #/sx CF, 3 #/sx LCM-1, 0.5% FL-52, 0.005 gps FP-6L, 10% Bentonite, 0.2% Sodium Metasilicate (11.8 ppg, 2.46 yld)

Compressive Strengths: **12 hr -** 259 psi **24 hr -** 798 psi **72 hr -** 1405 psi

<u>Tail:</u> 400 sx (50:50) Poz (Fly ash): Class C w/5% NaCl, 0.13#/sx CF, 0.2% CD-32, 3 #/sx LCM-1, 0.45% FL-52, 0.005 gps FP-6L, 2% Bentonite, 0.1% Sodium Metasilicate (14.2 ppg, 1.3 yld)

Compressive Strengths: **12 hr** – 450 psi

24 psi – 1875 psi

55% excess cmt; Cmt to surf

^{**} The above cmt volumes could be revised pending caliper measurement from open hole logs. TOC is designed to reach surface.

5. PROPOSED CONTROL EQUIPMENT

"EXHIBIT 7" shows a 900 series 3M psi WP BOP consisting of an annular bag type preventer, middle blind rams, bottom pipe rams. The BOP will be nippled up on the 8-5/8" csg and utilized continuously until total depth is reached. The BOP will be tested at 2000 psi, maximum surface pressure is not expected to exceed 2M psi, BHP is calculated to be approximately 3212 psi. *All BOP's and associated equipment will be tested as per BLM Drilling Operations Order #2. The BOP will be operated and checked each 24 hr period & the blind rams will be operated & checked when the drill pipe is out of the hole. Functional tests will be documented on the daily driller's log. "EXHIBIT 6" also shows a 3M psi choke manifold with a 4" panic line. Full opening stabbing valve & Kelly cock will be on derrick floor in case of need. No abnormal pressures of temperatures are expected in this well. No nearby wells have encountered any problems.

6. PROPOSED MUD CIRCULATION SYSTEM: (Closed Loop System)

INTERVAL	MW (ppg)	VISC (sec/qt)	FLUID LOSS (cc)	MUD TYPE
0' - 1570'	8.4 – 8.6	28 – 30	NC	Water
1570' to 5600'	10	29 – 32	NC	Brine
5600' – TD	10	29 – 32	NC	Cut Brine

^{**} The necessary mud products for weight addition and fluid loss control will be on location at all times. In order to run open hole logs & casing, the above mud properties may have to be altered to meet these needs.

7. AUXILIARY WELL CONTROL EQUIPMENT / MONITORING EQUIPMENT:

9" x 3000 psi Double BOP/Blind & pipe ram (2M BOP if available)

4-1/2" x 3000 psi Kelly valve

9" x 3000 psi mud cross - H2S detector on production hole

Gate-type safety valve 3" choke line from BOP to manifold

2" adjustable chokes - 4" panic line

8. LOGGING, CORING & TESTING PROGRAM:

- A. Open hole logs: Dual Laterolog, MSFL, CNL, Litho-Density, Gamma Ray, Caliper & Sonic from TD back to 8-5/8" csg
- B. Run CNL, Gamma Ray from 8-5/8" csg shoe back to surface.
- C. No cores, DST's or mud logger are planned at this time.

9. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, however, the proposed mud program will be modified to increase the mud-weight. There is known presence of H_2S in this area. If H_2S is encountered the operator will comply with the provisions of *Onshore Oil & Gas Order No. 6*. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP: 3212 psi and estimated BHT: 115°.

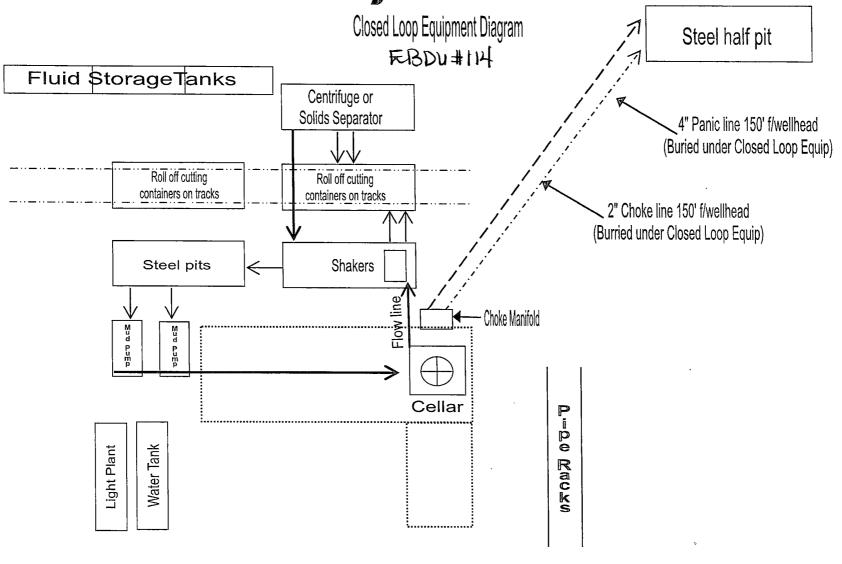
10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

Road and location construction will begin after Santa Fe & BLM has approved APD. Anticipated spud date will be as soon after Santa Fe and BLM approval and as soon as rig will be available. Move in operations and drilling is expected to take 10 - 12 days. If production casing is run then an additional 90 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

11. OTHER FACETS OF OPERATION:

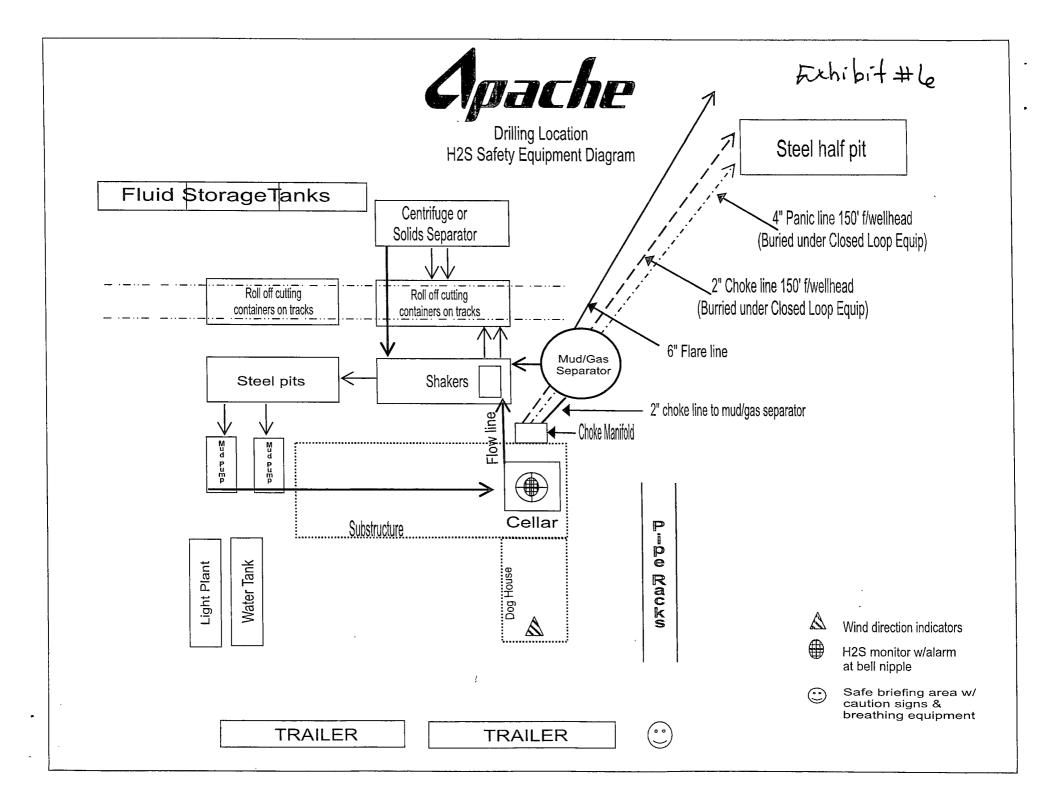
After running csg, cased hole Gamma Ray, Neutron Collar logs will be run from TD back to all possible productive zones. The Eunice; Blin-Tu-Dri, North formation will be perforated and stimulated in order to establish production. The well will be swab tested & potentialed as an oil well.

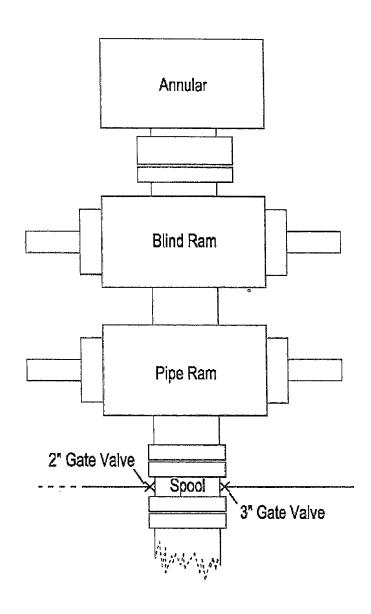




TRAILER

TRAILER





3M psi BOPE & Choke Manifold FBDU #114

All valve & lines on choke manifold are 2" unless noted. Exact manifold configuration may vary

Exhibit #7

