API NUMBER: 045 23527

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Oil & Gas

Horizontal Hole

OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)

Approval Date: 10/21/2014
Expiration Date: 04/21/2015

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 16N Rge: 24W	County: ELLI						
SPOT LOCATION: NE NE NW NE FEETFROM SECTION LI	QUARTER: FROM	NORTH FROM	EAST				
		250	1575				
Lease Name: CROSS 5-16-24	Well No:	1H		Well will be	250 feet from neares	st unit or lease boundary.	
Operator APACHE CORPORATION Name:		Telephone: 9	184914900; 9184914		OTC/OCC Number:	6778 0	
APACHE CORPORATION 6120 S YALE AVE STE 1500			RONALD C				
TULSA, OK 74136-4224			P.O. BOX 2	242			
TOLOA, OR 74130	7227		ARNETT		OK 7:	3832	
	Depth 9779	6 7 8 9			Depti	1	
acing Orders: Location Exception Or		Orders:			Increased Density Orders:		
Pending CD Numbers: 201404284 201404287				Spe	ecial Orders:		
Total Depth: 14000 Ground Elevation: 2054 Surface Ca		Casing: 430	sing: 430		Depth to base of Treatable Water-Bearing FM: 380		
Under Federal Jurisdiction: No Fresh Water St		r Supply Well Drilled	ply Well Drilled: No		Surface Water used to Drill: No		
PIT 1 INFORMATION		Ap	proved Method for di	sposal of Drilling	Fluids:		
Type of Pit System: CLOSED Closed System Means Steel Pits							
Type of Mud System: WATER BASED			. One time land appli	cation (REQUI	RES PERMIT)	PERMIT NO: 14-28417	
Chlorides Max: 8000 Average: 5000		H	I. SEE MEMO				
Is depth to top of ground water greater than 10ft below base of pit?	Υ	_					
Within 1 mile of municipal water well? N							
Wellhead Protection Area? N							
Pit is located in a Hydrologically Sensitive Area. Category of Pit: C							

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N
Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C
Pit Location is BED AQUIFER
Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 05 Twp 16N Rge 24W County ROGER MILLS

Spot Location of End Point: W2 SW SE SE
Feet From: SOUTH 1/4 Section Line: 330
Feet From: EAST 1/4 Section Line: 1200

Depth of Deviation: 9225 Radius of Turn: 344 Direction: 178

Total Length: 4235

Measured Total Depth: 14000

True Vertical Depth: 9779

End Point Location from Lease,
Unit, or Property Line: 330

 Additional Surface Owner
 Address
 City, State, Zip

 JIMMIE & RHONDA WAYLAND
 P.O. BOX 193
 ARNETT, OK 73832

Notes:

Category Description

MEMO 10/20/2014 - G76 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2

- OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201404284 10/20/2014 - G91 - (I.O.) 5-16N-24W

X 201404287 MRMN

X OTHER

SHL NCT 250 FNL, NCT 1575 FEL 1ST PERF NCT 300 FNL, NCT 1000 FEL LAST PERF NCT 300 FSL, NCT 1000 FEL

NO OP. NAMED

REC. 10-7-2014 (JOHNSON)

PENDING CD - 201404287 10/20/2014 - G91 - (640)(HOR) 5-16N-24W

EST MRMN

POE TO BHL NCT 660' FB

(SUPERCEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)

REC. 10-7-2014 (JOHNSON)

045-23527

