PI NUMBER: 045 23481 prizontal Hole Oil & Gas	OIL & GAS (F OKLAHOM (F	ORPORATION COMMIS CONSERVATION DIVISIO O. BOX 52000 IA CITY, OK 73152-2000 Rule 165:10-3-1)		Approval Date: Expiration Date:	06/03/2014 12/03/2014
	<u>P</u>	ERMIT TO DRILL			
	County: ELLIS EET FROM QUARTER: FROM NO ECTION LINES: 20	ORTH FROM WEST 0 2640			
Lease Name: SHREWDER TRUST	Well No: 1	I-16	Well will be 20	0 feet from nearest (init or lease boundary.
Operator LE NORMAN OPERATING LLC Name:		Telephone: 4055481200	от	C/OCC Number:	22738 0
LE NORMAN OPERATING LLC 4700 GAILLARDIA PKWY STE 200 OKLAHOMA CITY, OK 73	3142-1881		X 542016	C/O MATT FOOS NE 681	54
Formation(s) (Permit Valid for Listed Forma Name 1 CLEVELAND 2	ations Only): Depth 9376	Name 6 7		Depth	
3 4		8 9			
5		10			
Spacing Orders: 91750	Location Exception Orders: Increased Density Orders:				
Pending CD Numbers: 201403228			Specia	l Orders:	
Total Depth: 14154 Ground Elevation: 2334	Surface Ca	sing: 1500	Depth to ba	se of Treatable Water-B	earing FM: 550
Under Federal Jurisdiction: No	Fresh Water Supply Well Drilled: No			Surface Water used to Drill: Yes	
PIT 1 INFORMATION		Approved Method for	or disposal of Drilling Flu	iids:	
Type of Pit System: CLOSED Closed System Means Stee Type of Mud System: WATER BASED	el Pits	D. One time land a	pplication (REQUIRE	S PERMIT)	PERMIT NO: 14-27187
Chlorides Max: 35000 Average: 5000 Is depth to top of ground water greater than 10ft below base Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area.	of pit? Y	H. CLOSED SYST	EM=STEEL PITS PER	OPERATOR REQUEST	
Category of Pit: C Liner not required for Category: C					
Pit Location is BED AQUIFER					

HORIZONTAL HOLE 1

Sec 16 Twp 18N Rge 23W County ELLIS Spot Location of End Point: С N2 N2 N2 330 Feet From: NORTH 1/4 Section Line: Feet From: WEST 1/4 Section Line: 2640 Depth of Deviation: 8628 Radius of Turn: 580 Direction: 360 Total Length: 4615 Measured Total Depth: 14154 True Vertical Depth: 9376 End Point Location from Lease, Unit, or Property Line: 330

Notes: Category	Description
DEEP SURFACE CASING	5/14/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
PENDING CE - 201403228	5/19/2014 - G72 - 16-18N-23W X 91750 CLVD; SHL 200 FNL 2640 FWL (21-18N-23W); COMP INT. NCT 165 FNL NCT 165 FSL NCT 1980 FWL; NO OPER NAMED; REC 6/2/2014 (STUCK)
SPACING - 91750	5/19/2014 - G72 - (640) 16-18N-23W EXT 68593 CLVD, OTHERS; EXT OTHERS;