VERTIT LORDELL   VERTIT CORDELL   VERTIT CORDENTION   VERTIT DORDELL   VE	PI NUMBER: 129 23905 izontal Hole Oil & Gas	OIL & GAS OKLAHO	CORPORATION COMMISSI CONSERVATION DIVISION P.O. BOX 52000 MA CITY, OK 73152-2000 Rule 165:10-3-1)		12/26/2013 06/26/2014		
SPOT LOCATION: WILL WILL WILL WILL WILL WILL WILL WIL		Ē	PERMIT TO DRILL				
SPOT LOCATION:       W       NE       NE       PERF PROFECUENCE:       275       1170         Lease Name:       TURLEY       Well No:       2.44       Well will be       275       feet from nearest unit of lease bounds         Operator       SAMSON RESOURCES COMPANY       Telephone:       9185831791       OTCIOCC Number:       5415       0         SAMSON RESOURCES COMPANY       Eventore:       168001701       CENTRAL EXP       1000 TURLEY TURLEY       5415       0         SAMSON RESOURCES COMPANY       WINDLE AND SUIRLEY TURLEY       5440 NORTH CENTRAL EXP       1000 TURLEY LAW CENTER       DALLAS       TX       75206         Formation(s)       (Permit Valid for Listed Formations Only):       Name       Depth       TX       75206         Name       Depth       Name       Depth       1       100       11310       6         2       2       2       2       10       10       100       1000       1000         Sector Order:       218952       Location Exception Order:       18891       Increased Density Order:       1992         Parting CD Numbers:       Total Depth       Mark Exception Order:       18891       Increased Density Order:       1992         Part In BORDANTON       Freeh Water Exc							
at of countral (c)       (c) </th <th>WELL LOCATION: Sec: 16 Twp: 14N Rge:</th> <th>24W County: ROGEF</th> <th>RMILLS</th> <th></th> <th></th>	WELL LOCATION: Sec: 16 Twp: 14N Rge:	24W County: ROGEF	RMILLS				
ZP3     11/2       Lesse Name: TURLEY     Well Nil: 2.9H     Well will be ZP3 feet from nearest unit or lease bound:       Operator     SAMSON RESOURCES COMPANY     Tatephone: 0195831791     OTC/OCC Number: 6115 0       SAMSON RESOURCES COMPANY     UNINDLE AND SUIRLEY TURLEY     6440 NORTH CENTRAL EXP       2 W 2ND ST STE 1500     UNINDLE AND SUIRLEY TURLEY     6440 NORTH CENTRAL EXP       1000 TURLEY LAW CENTER     DALLAS     TX     75206   Formation(s) (Permit Valid for Listed Formations Only):       Name     Depth     Name     Depth       1     MARMATON     11310     6       2     7     8     9       5     10     5     10       Special Orders:     218622     Location Exception Orders:     618831       Preding CD Numbers:     Special Orders:     01892       Total Depth: 16400     Ground Elevation: 2281     Surface Casing: 950     Depth to base of Treatable Water-Bearing FM: 500       Under Federal Jurickelian: No     Fresh Water Supply Well Drillet: No     Surface Water used to Drill: No       Print 1 INFORMATION     Approved Method for disposal of Drilling Fluids:     A Exposalion/dewater and backlifting of meaver pil.       Type of Pil System: WATE R BASED     One time land application - (REQUIRES PERIMIT)     PERIMIT NO: 134       Type of Pil System: WATE R BASED     A Expoporalio			IORTH FROM EAST				
Operation         SMSON RESOURCES COMPANY         Telephone         SEASS1721         OTCOCC Number:         5415 0           SAMSON RESOURCES COMPANY         2 WINDLE AND SURLEY TURLEY         BURLEY         BURLEY TURLEY         BURLEY         BURLEY TURLEY         BURLEY TURLEY         BURLEY TURLEY         BURLEY TURLEY         BURLEY         BURLEY TURLEY         BURLEY         BURLEY		SECTION LINES: 2	75 1170				
Name:     Windle AND SURLEY TURLEY 6440 NORTH CENTRAL EXP 1000 TURLEY LAW CENTER DALLAS     TX     75206       Formation(s)     (Permit Valid for Listed Formations Only): Name     Depth     Name     Depth       1     MARMATON     11310     6       2     3     8       4     9       5     10       Spacing Orders:     21862     Location Exception Orders:     618932       Pending CD Numbers:     Special Orders:     Special Orders:     618932       Total Depth:     16400     Ground Elevation: 2281     Surface Casing: 950     Depth to base of Treatable Water-Bearing FM: 500       Under Federal Jurisdiction:     No     Fresh Water Supply Well Dilled:     No     Surface Water used to Drill: No       Proved Method System:     WATE BASED     Orgonal and Erevation:     28     A Exoparation/dewater and backling of reserve pit.       Open of May System:     Within Timid entrologial value water     N     Approved Method for disposal of Drilling Fluids:       Nor time land application (REQUIRES PERMIT)     PERMIT NO: 132     H SEE MEMO       Weithend Proceetion Area?     N     PERMIT NO: 132       Weithen Time and indeplication (REQUIRES PERMIT)     PERMIT NO: 132       H SEE MEMO     N     H SEE MEMO	Lease Name: TURLEY	Well No: 2	2-9H	Well will be 275 feet from near	est unit or lease boundary.		
SAMSON RESOURCES COMPANY         2 W 2ND ST STE 1500         TULSA,       OK 74103-3103         Formation(s)       (Permit Valid for Listed Formations Only):         Name       Depth         1       MARMATON         1       MARMATON         1       MARMATON         1       MARMATON         5       10         Specing Orders:       218622         Location Exception Orders:       61881         10       Special Orders:         Special Orders:       218622         Location Exception Orders:       61881         Increased Density Orders:       618932         Pending CD Numbers:       Special Orders:         Total Depth:       16400       Ground Elevation:       2281         Vider Federal Jurisdiction:       No       Fresh Water Supply Well Drilled:       No         Special Orders:       218652       Depth to base of Treatable Water-Bearing FM: 500         Under Federal Jurisdiction:       No       Fresh Water Supply Well Drilled:       No         Special Orders:       000 TURLEY LAW CENTER       Approved Method for disposal of Drilling Fluids:       No         Phot Physicstrin: ON       Approved Method for disposal of Drilling Fluids:       No		NY	Telephone: 9185831791	OTC/OCC Number:	5415 0		
2 W 2ND ST STE 1500       1000 TURLEY LAW CENTER         TULSA,       OK 74103-3103         1000 TURLEY LAW CENTER         DALLAS       TX 75206         Formation(s) (Permit Valid for Listed Formations Only):         Name       Depth         Name       Depth         1       MARMATON         2       7         3       8         5       10         Spacing Orders:       218652         Location Exception Orders:       61881         Pending CD Numbers:       Special Orders:         Total Depth:       16400       Ground Elevation:         Under Federal Jurisdiction:       No       Fresh Water Supply Well Drilled:       No         Put 1 INFORMATION       Approved Method for disposal of Drilling Fuids:       No         Type of Mul System:       WATER BASED       A Evoporation/dewater and backfilling of reserve pit.         Type of full System:       N       A Evoporation/dewater and backfilling of reserve pit.         Type of full System:       N       N       Net No: 13.2         Hister Method to top of ground water greater than 1001 below base of pit? Y       Y       No         Weithead Protection Area?       N       N       N	SAMSON RESOURCES COMPANY		WINDLE A	AND SUIRLEY TURLEY			
TULSA,     OK     74103-3103       Formation(s)     (Permit Valid for Listed Formations Only):       Name     Depth       1     MARMATON       1     Markaton       1     Markaton       1     Docation Exception Orders:       618831     Increased Density Orders:       618932     Special Orders:       7     Special Orders:       7     Special Orders:       7     Special Orders:       7     Freeh Water Supply Well Drillet:       10     No       9     Special Orders:       10     Special Orders:       10     Special Orders: <td></td> <td></td> <td>6440 NOR</td> <td>RTH CENTRAL EXP</td> <td></td>			6440 NOR	RTH CENTRAL EXP			
DALLAS     TX     75206       Formation(s)     (Permit Valid for Listed Formations Only):     Name     Depth       Name     Depth     Name     Depth       1     MARMATON     11310     6       2     3     8     9       5     10     Specing Orders:     218652       Pending CD Numbers:     Location Exception Orders:     618881     Increased Density Orders:       Total Depth:     16400     Ground Elevation:     2281     Surface Casing:       Under Federal Jurisdiction:     No     Surface Water Josed Treatable Water-Bearing FM: 500       Under Federal Jurisdiction:     No     Surface Water used to Drill:       Type of Pit System:     ON STITE     A Evaporation/dewater and backtilling of reserve pit.       Type of Pit System::     NATER BASED     D. One time land application - (REQUIRES PERMIT)       Chiorides Max:     10000 Average: 500     Edepth to to of ground water greater than 10t below base of pit?       Y Within 1 mile of municipal water well?     N       Weilhaed Protection Are?     N       Pit     16       Liner required for Category: 18		74103-3103	1000 TUR	LEY LAW CENTER			
Name         Depth         Name         Depth           1         MARMATON         11310         6           2         7         3         8           4         9         5         10           Spacing Orders:         218652         Location Exception Orders:         618881         Increased Density Orders:         618932           Pending CD Numbers:         Special Orders:         Special Orders:         5         5         5           Total Depth:         16400         Ground Elevation:         2281         Surface Casing:         950         Depth to base of Treatable Water-Bearing FM:         500           Under Federal Jurisdiction:         No         Fresh Water Supply Well Drilled:         No         Surface Water used to Drill:         No           PIT 1 INFORMATION         Fresh Water Supply Well Drilled:         No         Surface Water used to Drill:         No           Type of Pit System:         ON SITE         A Evaporation/dewater and backfilling of reserve pit.         No           Type of Pit System:         ON SITE         D. One time land application (REQUIRES PERMIT)         PERMIT NO:         13.4           Is depth to top of ground water greater than 10ft below base of pit?         Y         Y         H. SEE MEMO         H. SEE MEMO <td< td=""><td></td><td>14103 5103</td><td>DALLAS</td><td>TX</td><td>75206</td></td<>		14103 5103	DALLAS	TX	75206		
Clearing Orders:       Depth to base of Treatable Water-Bearing FM: 500         Pending CD Numbers:       Special Orders:         Total Depth: 16400       Ground Elevation: 2281       Surface Casing: 950       Depth to base of Treatable Water-Bearing FM: 500         Under Federal Jurisdiction: No       Fresh Water Supply Well Drilled: No       Surface Water used to Drill: No         PIT 1 INFORMATION       Approved Method for disposal of Drilling Fluids:         Type of Pit System: WATER BASED       A. Evaporation/dewater and backfilling of reserve pit.         Chlorides Max: 10000 Average: 5000       D. One time land application (REQUIRES PERMIT)         Is depth to top of ground water greater than 10ft below base of pit? Y       D. One time land application (REQUIRES PERMIT)         Within 1 mile of municipal water well?       N         Wellhead Protection Area?       N         Pit is located in a Hydrologically Sensitive Area.       Category of Pit: 18         Liner required for Category: 18       Liner required for Category: 18	4 5 040550	lucito Econico O	9 10		040000		
Total Depth: 16400 Ground Elevation: 2281 Surface Casing: 950 Depth to base of Treatable Water-Bearing FM: 500   Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No   PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids:   Type of Pit System: ON SITE A. Evaporation/dewater and backfilling of reserve pit.   Type of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT)   Chorides Max: 10000 Average: 5000 N   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?   Pit is located in a Hydrologically Sensitive Area.   Category of Pit: 18   Liner required for Category: 18	Spacing Orders: 210002	Location Exception O	rders: 618881	Increased Density Orders:	618932		
Under Federal Jurisdiction:       No       Fresh Water Supply Well Drilled:       No       Surface Water used to Drill:       No         PIT 1 INFORMATION       Approved Method for disposal of Drilling Fluids:       A. Evaporation/dewater and backfilling of reserve pit.         Type of Pit System:       WATER BASED       A. Evaporation/dewater and backfilling of reserve pit.         Chlorides Max: 10000 Average: 5000       D. One time land application (REQUIRES PERMIT)       PERMIT NO: 13-2         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:       1B         Liner required for Category: 1B       Liner required for Category: 1B	Pending CD Numbers:			Special Orders:			
PIT 1 INFORMATION     Approved Method for disposal of Drilling Fluids:       Type of Pit System: ON SITE     A. Evaporation/dewater and backfilling of reserve pit.       Type of Mud System: WATER BASED     D. One time land application (REQUIRES PERMIT)       Chlorides Max: 10000 Average: 5000     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       Category of Pit:     1B       Liner required for Category: 1B     Liner required for Category: 18	Total Depth: 16400 Ground Elevation:	2281 Surface Ca	asing: 950	Depth to base of Treatable Wate	er-Bearing FM: 500		
Type of Pit System: ON SITE       A. Evaporation/dewater and backfilling of reserve pit.         Type of Mud System: WATER BASED       D. One time land application (REQUIRES PERMIT)         Chlorides Max: 10000 Average: 5000       Is depth to top of ground water greater than 10ft below base of pit? Y         Within 1 mile of municipal water well? N       D. One time land application (REQUIRES PERMIT)         Wellhead Protection Area?       N         Pit       is located in a Hydrologically Sensitive Area.         Category of Pit: 1B       Liner required for Category: 1B	Under Federal Jurisdiction: No	Fresh Water S	upply Well Drilled: No	Surface Water	used to Drill: No		
Type of Mud System: WATER BASED Chlorides Max: 10000 Average: 5000 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: 1B Liner required for Category: 1B	PIT 1 INFORMATION		Approved Method for c	Approved Method for disposal of Drilling Fluids:			
Chlorides Max: 10000 Average: 5000 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: 1B Liner required for Category: 1B	Type of Pit System: ON SITE		A. Evaporation/dewat	ter and backfilling of reserve pit.			
Chlorides Max: 10000 Average: 5000   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:   1B   Liner required for Category: 1B			D. One time land app	lication (REQUIRES PERMIT)	PERMIT NO: 13-2605		
Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 1B Liner required for Category: 1B	•	hase of hit? V		H. SEE MEMO			
Wellhead Protection Area?       N         Pit       is       located in a Hydrologically Sensitive Area.         Category of Pit:       1B         Liner required for Category:       1B							
Category of Pit: 1B Liner required for Category: 1B							
Liner required for Category: 1B	Pit is located in a Hydrologically Sensitive Area	a.					
Pit Location is BED AQUIFER							
Pit Location Formation: OGALLALA	Pit Location is BED AQUIFER						

PIT 2 INFORMATION Type of Pit System: ON SITE 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: 3 Liner required for Category: 3

Pit Location is BED AQUIFER Pit Location Formation: OGALLALA

## HORIZONTAL HOLE 1

Sec 09 T	Гwp 14N	Rge 2	4W	County	ROGER MILLS
Spot Location of	of End Poin	t: E2	NE	NW	NE
Feet From:	NORTH	1/4 Section	on Line	e: 33	0
Feet From:	EAST	1/4 Section	on Line	e: 13	50
Depth of Deviat	tion: 10900	C			
Radius of Turn:	: 410				
Direction: 360	)				
Total Length: 5210					
Measured Total Depth: 16400					
True Vertical Depth: 11310					
End Point Location from Lease,					
Unit, or Property Line: 330					

Notes:	
Category	Description
DEEP SURFACE CASING	12/23/2013 - 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
INCREASED DENSITY - 618932	12/23/2013 - G30 - 9-14N-24W X218652 MRMN 1 WELL SAMSON RESOURCES COMPANY 12/9/13
LOCATION EXCEPTION - 618881	12/23/2013 - G30 - (I.O.) 9-14N-24W X218652 MRMN SHL NCT 50 FNL, NCT 660 FEL** COMP. INT. NCT 330 FNL, NCT 330 FSL, NCT 660 FEL NO OP. NAMED SAMSON RESOURCES COMPANY 12/5/13
МЕМО	**SHL TO BE CORRECTED AT THE HEARING FOR FINAL ORDER PER OPERATOR 12/23/2013 - G71 - PIT - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER, PIT 2 - 20-MIL LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 218652	12/23/2013 - G30 - (640) 9-14N-24W EXT 112842/146905 MRMN EXT OTHERS

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.