



LEASE / WELL:
GOVERNMENT AC 13 FEDERAL #005H

OPERATOR
OXY USA WTP LP

SURFACE SURVEY LOCATION and Fottage
Sec 13-T20S-R28E

SURFACE SURVEY LOCATION and Fottage
1,980' FNL & 350' FWL

COUNTY / STATE
Eddy County, NM

FIELD:
North Burton Flatts

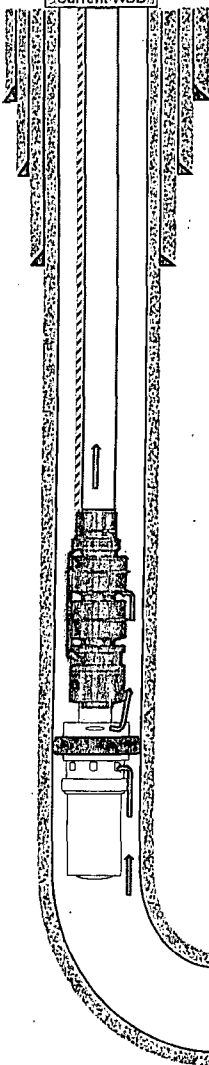
API No 30-015-40880

DIRECTIONAL (MD) DATA			
KOP: 6617'			
MAX DEV: 91.6 deg @ 8871'	MD		
	TVD	INC	MD
TOP PERF: 7545'	77'		7911'
BTM PERF: 7688'	90'		11777'

CASING DATA						
Casing	Size	Weight	Grade	Thread	TVD	MD
DRIVE PIPE						
CONDUCTOR						
SURFACE	16"	75.00	J-55	BTC	313'	313'
INTERMEDIATE 1	11 3/4"	47.00	J-55	BTC	1317'	1317'
INTERMEDIATE 2	8 5/8"	32.00	J-55	BTC	3119'	3119'
PRODUCTION	5-1/2"	20.00	P-110	TMK Ultra DQX	7690'	11960'
TUBING	2-7/8"	6.50	L-80	EUE		

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Current WBD



DESCRIPTION	LENGTH	DEPTH
2-7/8" tubing L-80	7319.79	8109.42
PERFORATING		
3-1/8" casing gun; 19 gm; 0.42" EHD; 32" penetration; 6 spf; 60 degrees phasing TOTAL 746 holes		
FRAC DETAILS		
Plug & Perf - 19 stages		
Fluid - 54,600 glns 5% HCL/8.5% Acetic Acid; 93,001 glns 15# LG; 414,167 glns 15#BXL; 1,610,994 glns 15#BXL(SL); 334,859 glns treated water.		
Sand - 147,709 lbs 100 Mesh; 2,354,145 lbs 20/40 white sand; 1,408,753 lbs SB sand		
COMMENTS:		
PLUG BACK DEPTH:		MD 11867' TVD 7688'
TOTAL WELL DEPTH:		MD 11978' TVD 7690'
PREPARED BY		DATE: 11/15/2014
Abel Andrade		

Stage 19 8001' (20) 7911' (20) 40 holes 6 spf, 60° phasing	Stage 17 8389' (20) 8299' (20) 40 holes 6 spf, 60° phasing	Stage 15 8777' (20) 8687' (20) 40 holes 6 spf, 60° phasing	Stage 13 9165' (20) 9075' (20) 40 holes 6 spf, 60° phasing	Stage 11 9553' (20) 9463' (20) 40 holes 6 spf, 60° phasing	Stage 9 9941' (20) 9851' (20) 40 holes 6 spf, 60° phasing	Stage 7 10329' (20) 10239' (20) 40 holes 6 spf, 60° phasing	Stage 5 10717' (20) 10626' (20) 40 holes 6 spf, 60° phasing	Stage 3 11299' (20) 11209' (20) 40 holes 6 spf, 60° phasing	Stage 1 11777' SMART TOE 11687' (14) 11597' (12) SMART TOE 0.77" ID 26 holes, 0.43" 6 spf, 60° phasing
Stage 18 8195' (20) 8105' (20) 40 holes 6 spf, 60° phasing	Stage 16 8583' (20) 8493' (20) 40 holes 6 spf, 60° phasing	Stage 14 8971' (20) 8881' (20) 40 holes 6 spf, 60° phasing	Stage 12 9359' (20) 9269' (20) 40 holes 6 spf, 60° phasing	Stage 10 9747' (20) 9657' (20) 40 holes 6 spf, 60° phasing	Stage 8 10135' (20) 10045' (20) 40 holes 6 spf, 60° phasing	Stage 6 10523' (20) 10433' (20) 40 holes 6 spf, 60° phasing	Stage 4 10911' (20) 10821' (20) 40 holes 6 spf, 60° phasing	Stage 2 11493' (20) 11403' (20) 40 holes 6 spf, 60° phasing	