

# SHEEP MOUNTAIN UNIT

OPERATOR: OXY USA Inc.

WELL: SMU 5-9-A

**SCOPE:** ABANDON DEPLETED ENTRADA FORMATION AND RECOMPLETE THE SHALLOWER DAKOTA FORMATION.

NO SURFACE DISTURBANCE NECESSARY, WELL IS ON EXISTING DRILL SITE ACCESSED BY YEAR ROUND ROAD.

<u>WELLINFO</u>			
NAME			
OXY SYSTEM	SMU 5-9-A		
STATE	SHEEP MOUNTAIN UNIT 5-9-A		
API	05-055-06073		
WELL LOCATION	818' FNL & 3312' FWL SEC 9, 27 S- 70 W		
LAT - LONG	37.72039 / -105223		
	GL	8153	FT
	KB	25	FT
<b><u>ALL DEPTH MEASUREMENT REFERENCED FROM KB</u></b>			
	MD	TVD	
TD	4210	3384	FT
PBTD	4206	3381	FT
CONDUCTOR CASING	SET @ 120'  3 JOINTS  , OD = 16" , 60.51 #/FT, K-55 STC		
SURFACE CASING	SET @ 1000' 23 JOINTS  , OD=10 3/4" , 45.5 #/FT, K-55 BTC		
PRODUCTION CASING	SET@4210' (99 JOINTS), OD = 7 5/8" , 26.4 #/FT,K-55 BTC		
TUBING	SET @ 3965'  121 JOINTS) , OD = 4 1/2" , 11.6#/FT, K55 LTC , TK2 COATED		
<b>FORMATION</b>	<b>LOG TOP (MD)</b>		
NIOBRARA	2029		
FORT HAYS	2724		
CODELL	2803		
GREENHORN	3108		
GRANEROS	3228		
DAKOTA	3358		
MORRISON	3622		
ENTRADA	4004		
SANGRE DE CRISTO	4166		
		JSPF	
CURRENT	4008' - 4088'		4
PERFORATIONS	4115' - 4120'		4
	4128' - 4132'		4
	4143' - 4153'		4

**PRELIMINARY PROGNOSIS:**

CHECK ENTRADA PRESSURE = SHUT IN AND RECORD PRESSURES PRIOR TO RIG UP  
TEST ANCHORS - RESET IF NEEDED.

DISCONNECT WELLHEAD FROM FLOW LINE, BLIND IT OFF; LOCKOUT/TAG OUT VALVES ON COMPRESSOR  
HEADER.

MOVE IN PULLING UNIT AND ANCILLARY EQUIPMENT, SET FRAC TANKS.  
REMOVE WELLHEAD AND SET BOP, TEST TO 2000 PSI.  
RIG UP PULLING UNIT.  
RUN IN WITH WIRE LINE AND SET SI NIPPLE, ISOLATING PRODUCING FORMATION.

GET OFF THE PACKER (SET @ 3965') WITH THE 4 1/2" TK 2 COATED TUBING, CIRCULATE HOLE WITH  
FRESH WATER + 2 % KCL, PULL OUT OF HOLE 114 JOINTS OF 41/2" PLUS PUP JOINT. LAY DOWN.

RUN IN WITH 2 7/8" WORK STRING.  
SPOT 38 SX OF CLASS C, ECONOLITE , 14.0 LB/GAL, TOP OF PLUG 3,765'.  
PULL OUT OF HOLE WAIT 24 HRS.  
RUN IN HOLE TAG TOP OF CEMENT, RECORD DEPTH.  
COME OUT OF HOLE , LAY DOWN WORK STRING.

RIG UP LUBRICATOR  
GO IN WITH PERF GUNS AND GET ON DEPTH BASED ON 5-5-1982 COMPENSATED -NEUTRON RUN BY  
SCHLUMBERGER  
PRELIMINARY PROPOSED PERFORATIONS:

3375	3430	FEET	55	FEET	
3435	3470	FEET	35	FEET	
3480	3495	FEET	15		
3550	3565	FEET	15		
3580	3620	FEET	40		
				160	FEET

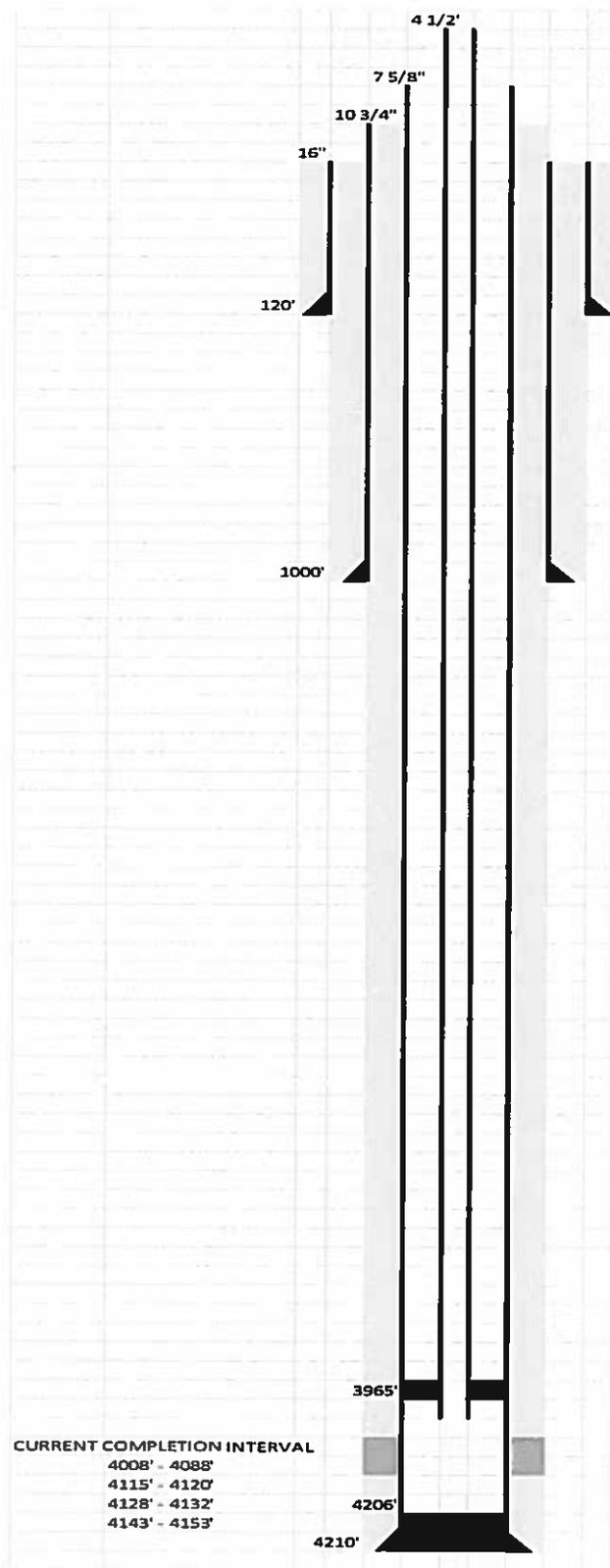
DENSITY 4 JSPF  
TOTAL SHOTS 640

RIG DOWN LUBRICATOR, RIG UP COIL TUBING UNIT  
RUN IN WITH 1 1/4" STRING DOWN TO 3650' BLOW WELL DRY, COME OUT OF HOLE  
FLOW WELL TO TEST/COMPRESSOR, PUT WELL ON TEST

BASED ON TEST MAKE DECISION TO RUN 4 1/2", PLASTIC COATED.  
SETTING PACKER AT 3350',

PACKER: BAKER HUGHES -7" 26.4#/FT Nickel Plated Hornet packer with L 10 On  
Off Tool

**CURRENT WELLBORE SCHEMATIC:**



PROPOSED WELLBORE SCHEMATIC:

