

GENERAL DRILLING PROGRAM- Attachment to Form C-101

Southwestern Energy Production Company- Alfalfa "2" State #1
2100' FSL 350' FWL Section 2-T24S-R37E
Lea County, New Mexico

Elevation: 3230' GR

Proposed Total Depth: 8000'

Estimated Formation Tops

Rustler	1035'
Yates	2425'
Queen	3335'
Grayburg	3565'
San Andres	3810"
Glorieta	4910'
Tubb	5870'
Drinkard	6015'
Abo Shale	6415'
Woodford	7505'
Devonian	7555'
Total Depth	8000'

Casing/Cement Program

<u>Hole Size</u>	<u>Casing Size/Weight/Grade</u>	<u>Setting Depth</u>	<u>Cement</u>	<u>Est. TOC</u>
26"	20" Conductor pipe	40'	ready mix	surface
12-1/4"	8-5/8" 32# J-55 ST&C	1200'	Lead:300 sx 35:65 Poz: Class C + 6% D20+ 0.25 pps D29+5% D44 Tail: 200 sx Class C+ 2% S1	surface
7-7/8"	5-1/2" 17# J-55 LT&C	8000'	1250 sx 50:50 Poz: Class H + 5% D44 +2% D20+0.4% D59+ 0.2% D65	1200'

Drilling Fluids Program

<u>Depth</u>	<u>Mud Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Comments</u>
0-1200'	8.6-9.3	32-35	NC	spud mud, paper
1200'-7000'	9.9-10.0	28-29	NC	brine, paper, lime
7000'-8000'	10.0-10.1	30-31	10-15 cc	brine, caustic, starch

Blowout Prevention Program- Attachment to Form C-101

0'-1200'	None
1200'-8000'	11" 3000# double ram type preventers, 3000# annular preventer and rotating head body. Test all rams choke manifold, kill line upper and lower kelly valves to 3000 psi. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system.

Any equipment failing to test satisfactorily, will be repaired or replaced. Results of the BOP test will be recorded in the Driller's Log. The BOP's will be maintained ready for use until drilling operations are completed. BOP drills will be conducted as necessary to assure that equipment is operational and each crew is properly trained to carry out emergency duties.

Accumulator shall maintain a pressure capacity reserve at all times to provide for the close-open-close sequence of the blind and pipe rams of the hydraulic preventers.