

KB Elevation: 5,887'
GL Elevation: 5,882'



Well: **Oreo #1**
API: **30-045-32847**
Formation: Fruitland Coal
Location: 32K-T29N-R13W
County: San Juan, New Mexico

TD 12-1/4" Hole: 516' 5,371'SS

511' 8 5/8", 24#, J-55 Surface Casing
Superior? 365 sx (76.7bbls) Type V + 2% CaCl₂ + 1/4 pps Celloflake at 15.6 ppg. $\gamma = 1.18$

Ojo Alamo: 0' 5,887'SS

Kirtland: 856' 5,031'SS

2-3/8" Tubing Detail as of 07/22/08			
Depth	Length	Count	Description
	5.00'		KB Elevation
5.00'	0.83'		(5) Tubing Hanger
5.83'	1,537.95'	48 its	(4) 2-7/8", 6.5#, J-55, 8rd Tubing
1,543.78'	1.10'	(3)	2-3/8" Seat Nipple
1,544.88'	0.00'		
1,544.88'	32.30'	(1)	Mud Anchor
1,577.18'	1,577.18'	48 its	End of Tubing

Pump/Rod Detail as of 07/22/08			
Depth	Length	Count	Description
-10.00'	-10.00'		Space Out
-10.00'	22'	22'	22' x 1-1/4" Polish Rod with 6' x 1-1/2" Liner
12.00'	0.00'		3/4" Pony
12.00'	1,425.00'	57	3/4" Rods
1,437.00'	100.00'	4	4 x 1-1/4" K-Bars
1,537.00'	4.00'	4'	Stabilizer Rod
1,541.00'	9.00'	2	1/2" x 1 1/2" x 8' x 12' R4AL Pump
1,550.00'	1,550.00'	61	

Zone at 1310'?

Fruitland Coal: 1,216' 4,671'SS

1481'-1498' Stage 2 Frac
15% HCL 500 gals ATR: 4.0 bpm ATP: 2,518 psi ISIP: 1,500 psi FG: 1.21 psi/ft 3/21/2008 Key Energy
2,100# 20/40 434 bbls ATR: 15.7 bpm ATP: 2,225 psi ISIP: 2,137 psi FG: 1.54 psi/ft 3/21/2008 Key Energy AquaSafe X20
10,322# 16/30
0# 16/30 SLC
SCREENED OUT

1481'-1498' Stage 2 Re-Frac
15% HCL 400 ATR: 15.0 bpm ATP: 2,460 psi ISIP: 1,500 psi FG: 1.21 psi/ft 3/25/2008 Key Energy
2,100# 20/40 905 bbls ATR: 24.5 bpm ATP: 2,476 psi ISIP: 2,137 psi FG: 1.54 psi/ft 3/25/2008 Key Energy AquaSafe X20
26,880# 16/30
12,280# 16/30 SLC

1510'-1518" Stage 1 Frac
15% HCL 500 gals ATR: 4.0 bpm ATP: 1,000 psi ISIP: 15 psi FG: 0.44 psi/ft 3/20/2008 Key Energy
2,100# 20/40 733 bbls ATR: 17.9 bpm ATP: 1,042 psi ISIP: 441 psi FG: 0.66 psi/ft 3/21/2008 Key Energy AquaSafe X20
31,600# 16/30
11,252# 16/30 SLC

Remedial Treatment

07/19/08 2000 gal water containing 20 gal/M Mutual Solvent, 4 gal/M ProSurf I, 8 gal/M B-3L hi Ph Enzyme breaker, 6 PPB B-4 hi temp oxidizer breaker, 2 gal/M BA-2 Breaker Aid, & 47,800 SCF nitrogen.

1,665' 5-1/2", 15.5#, J-55 Production Casing
Superior 360 sx (121.2 bbls) 65/35 Poz + 6% gel + 5 pps Gilsomite + 1/4 pps Flocele at 12.4 ppg. $\gamma = 1.89$ Lead
100 sx (22.26 bbls) 50/50 Poz + 2% gel + 5 pps Gilsomite + 1/4 pps Flocele at 15.2 ppg. $\gamma = 1.25$ Tail

PBTD: 1,620' 4,267'SS
TD 7-7/8" Hole: 1,692' 4,195'SS

NMOC
MAY 11 2018
DISTRICT III