# STRAWN DST RESULTS

## Surface Location **Directional Hole** 542' to SW of

# Straight Hole

DAILY DRILLING REPORT

### 4/29/99 FF (1-1/2 hrs): 1072 - 1063 psi: Sampler Recovery: FH: 5660 psi IF (45 min): 1083 - 1072 psi: DST #1: Strawn Pipe Recovery: FSIP (4-1/2 hrs): ISIP (1-1/2 hrs): 1072 psi: IH: 5733 psi Concho Resources -Interval 11,650-11,860' Total recovery - 2000 cc drilling mud. 0.01 ft<sup>3</sup> gas @ 900 psi. 2407' of total fluid as follows: (1) 940' of water blanket (ran 1656' of water blanket). <u>ω</u> <u>δ</u> 1246 ps1: 200' of muddy water. 1267' of drilling mud. Cayuma #1 Open tool w/no blow. p\* indeterminate. p\* indeterminate. Open tool w/very weak blow. Died in 7 min. consisting of 100% Cayuma #1-A Cayuma Prospect 3580' FSL 4 990' FWL Sec 1, T16S, R36E Lea County, New Mexico GL 3879' KB 3894' 2/04/2000 DST #1: Strawn Interval 11,590-11,666' = 76' Drilling Break 11643-656' = 13' Pipe Recovery: FH: 5397 psi FF (2 hrs): 155 ps1 - 237 psi: ISIP (2 hrs): 4036 ps1: IH: 5415 psi IF (15 min): 116 psi: 154 psi: FSI (6 hrs): 3995 psi: 551' (2.7 bbls) of total fluid as follows: (1) Top 271' (1.33 bbls) of very sli oil & gas cut mud. (2) Middle 190' (0.93 bbls) of heavy oil & gas cut mud. (3) Bottom 90' (0.44 bbls) of free oil. Open tool on 1/8" bubble hose w/strong blow. Bottom of bucket in 1 min. Had 2-1/2 psi in 3 min. Steady incr to 8-1/2 psi end of period. Gas to surface 30 min after SI. Pressure broke over and flat. p\* 4100 psi. Open well on 1/8" bubble hose. Strong blow bottom of bucket in 30 sec; 8 psi in 3 min; 11 psi in 10 min; 13 psi in 15 min. Had 1 psi/5 min to 19-1/2 psi after 40 min of flow. Incr choke to 1/4". Press incr to max of 25 psi after 55 min of flow then slow decr to 23-1/2 psi at end of flow period. Max gas rate 53 MCFGPD. Pressure broke over and flat. p\* 4100 psi. Manzano Oil Corporation Phone: (505) 623-1996 Fax: (505) 625-2620 Dry Hole Cost \$222,900 Completion Cost 232,900 Total Est AFE \$455,800 Cayuma #1-A Cayuma Prosp 3580° FSL & Sec 1, T16S, Lea County, I GL 3879' KB 2/17/2000 Pipe Recovery: 871.8' (5.64 bbls) of total fluid as follows: 1. Top 83.5' (1.19 bbls) of free 43.2° gravity oil. 2. Middle 483.7' (2.96 bbls) of highly oil & gas cut mud. FH: 5407 psi p\* 4000 psi (Horner Plot).

### Surface Location **Directional Hole** 296' to NE of

# DAILY DRILLING REPORT

	Manzano Oil Corporation
pect	Phone: (505) 623-1996
990' FWI	
5, R36E	Dry Hole Cost \$222.900
New Mexico	Completion Cost 232,900
3894'	Total Est AFE <u>\$455,800</u>
DST #2: STRAWN 11,610-770' W/DRLG	STRAWN 11,610-770' W/DRLG BKS 11,632-38' 6 11,672-76'
IH: 5420 psi	
IF (15 min): 113 psi -159 psi:	Open tool on 1/8" bubble hose
	psi in 5 min; 13 psi in 10 min and 18.5 psi in 15 min.
ISI (1-1/2 hrs): 3933 psi:	Pressure broke over but
	after SI.
	p* 4050 psi (Horner Plot).
FF (2 hrs): 126 psi - 299 psi:	Open tool on 1/4" choke w/immed
	blow to bottom of bucket. Had 14.5 psi in 5 min; 18 psi in 10
	min and 21-1/4 psi in 20 min.
	min until reaching 27 psi in 70
	min. Max press 27-1/4 psi in
	90 min. Last 15 min of flow
	period pressure was 26-3/4 psi
FSI (6 hrs): 3248 psi:	Pressure building.

Test was mechanically successful.

Sampler Recovery:

Total recovery - 1250 cc consisting of 1150cc of 43°

API gravity oil and 100 cc of mud. No formation

water. 1.09 cu.ft. gas @ 260 psi. Reservoir temp

165° F.

3. Lower 304.6' (1.49 bbls) of sli oil & highly gas cut mud.

Sampler Recovery:

Total recovery - 1300 cc consisting of 800 cc of 42° API
gravity oil and 500 cc of heavy oil and gas cut mud. No fm
wtr. 0.4 cu.ft. gas @ 130 psi. Reservoir temp 169° F.

Test was mechanically successful. Total analysis this p.m.