

45,000#, 1500 psi. Bit #9, S— M89F, 7 7/8", drld 265' in 35 1/2 hrs.

July 31, 1974

DST #5 9420'-9476' (Morrow)
15" preflow - good blow - GTS in 4 min. Max surface press 6 psi at rate of 653 MCFPD. At end of preflow, rate 137 MCFPD at 1 psi.
60" flow period - good blow decreasing to fair blow. Max press 2 psi at 195 MCFPD after 13 min, 0 psi, gas TSTM.

Rec.: 35' HGCM.
15" Preflow - 105-63 psi. Flow Press - 42-42 psi.
60" ISIP - 2992 psi. 120" FSIP - 3116 psi.
Ilyd - 4560 psi. FHyd - 4560 psi.
BHT 158°F.

Prep to DST #6 9480'-9506' (Morrow Sand).

DST #6 - Misrun - Packer Failed

Santa Fe 1
Santa Fe

9575' drlg. Sh. 69' progress. Rotated 16 hrs. Drlg w/mud, Wt. 9.2, V 35, WL 8.5, FC 2/32, pH 10. 48 RPM, 45,000#, 1500 psi. Bit #9, Reed M89F, 7 7/8", drld 334' in 51 1/2 hrs.

DST #7 9456'-9506'

August 2, 1974

EVENT	BHP (psi)	REMARKS
5" Preflow	2041-2496	GTS in 2" @ 140 psi on 1" ck, 4000 MCFPD. SI after 5" to stake flow line
60" ISIP	3901	
60" Flow	2351-1876	Gas rate after 15" 435 psi on 1" ck, 12,000 MCFPD
120" FSIP	3281	
Ilyd	4560	
FHyd	4519	
BHT	160°F	

Rec.: 290' GCM.

DST #8 9444'- 9714' Morrow

15" Preflow Tool opened w/good blow. GTS 4" MTS 13" Max rat 5,500 MCFPD @ 200 psi.

60" ISIP
240" Flow Good Blow. Max rate 350 psi 1" ck.

Hourly Flow Rates:

Initial 9,500 MCFPD
after 1st hr. 6,500 "
2nd hr. 5,500 "
3rd hr. 5,500 "
4th hr. 5,000 "

This a.m. pulling DST tool. NO BHP.

DST#9 9446-9714 Morrow snd

20' Fill

30" PF: GTS 05" MTS 25" Max. press. 160# 4.5 MMCFPD.
To: 10 hrs MTS 05" Max. press after 15" 240# 6.5 MMCFPD.
220# after 30"

TIME	PRESS.	RATE
8:30	180	5 MM
9:30	170	4.75 MM
10:30	160	4.5 MM
11:00	150	4.25 MM
11:30	140	4MM
12:30	140	4MM
1:30	130	3.8 MM
2:30	130	3.8 MM
3:30	120	3.4 MM
4:30	120	3.4 MM
5:15	120	3.4 MM

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AUG 27 1974

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Coquina 73-A EP

Santa Fe 1
Con't

July 15, 1974

DST #1 6503'-6517'

EVENT	BHP (psi)	REMARKS
15" Preflow	21-21	Weak blow
60" ISIP	2661 ✓	
60" Flow	21-21 ✓	Weak blow
120" FSIP	2661 ✓	
IHyd	3012	
FHyd	2909	
BHT	110°F.	

Rec.: 240' Gas in DP + 40' VSGCM.

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Coquina 73-A EP

Santa Fe 1
Santa Fe

July 18, 1974

7270' drlg. Lm & sh. 310' progress. Rotated 24 hrs.
Drlg w/brine, Wt. 9.2, pH 10. 48 RPM, 45,000#, 1500 psi.
Bit #7, Reed FP63, 7 7/8", drld 1304' in 9 1/2 hrs.

DST #2 6867'-6882'

EVENT	BHP (psi)	REMARKS
15" Preflow	18-37	Opened w/wk blow - con't wk blow
60" ISIP	2860	
60" Flow	37-184	Weak blow
120" FSIP	2860	
I & F Hyd	3303	
BHT	132°F	

Rec.: 270' Salty Sulfur Wtr.

SCR: No press, no gas. 2300 cc Salty Sulfur Wtr.

Santa Fe 1
Santa Fe

July 27, 1974

9326' trip in w/bit #9. Lm & sh. Wt. 9.1, V 35, WL 8.5,
FC 2/32, pH 10. 48 RPM, 45,000#, 1500 psi. Bit #9, Sec. N89F,
7 7/8", drld 851' in 12 hrs.

DST #3	9296'-9326' (Morrow)	
IF	15"	Tool opened w/weak blow & rem weak
ISI	60"	42-42
FF	60"	3116
		Good blow for 10" dec to weak blow.
		Remained weak thruout rem of test
FSI	120"	42-42
IHyd	4560	3322
FHyd	4467	
BHT	None reported	

Rec.: 40' VSGCM. No free gas.

Santa Fe 1
Santa Fe

July 29, 1974

9477' drlg. Sh & lm. 100' progress. Rotated 15 3/4 hrs.
Drlg w/mud, Wt. 9.2, V 35, WL 8.0, FC 2/32, pH 10. 48 RPM,
45,000#, 1500 psi. Bit #9, Sec. M89, 7 7/8", drld 236' in
32 1/4 hrs. Dev. 1/4° @ 9241'.

DST #4 9332'-9377' (Morrow)
Top sd 9330'. 15" preflow - good blow immediately. GTS in
3 min. Max surface press. 16 psi. Max gas rate 800 MCFPD.
0 surface press at end of preflow. Tool open 60 min. -
weak blow thruout. TSTM at end of flow period. Rec.: 90'
of SGCM plus 6082' of salty sulfur wtr (Cl 78,000 ppm).
Preflow 1332-1668 psi. - 75" ISIP 3839 psi. -
60" FP 1668-3012 psi. 150" FSIP 3839 psi.
IHyd 1667 psi. FHyd 1667 psi. BHT 150°F.