BIG 6 DRILLING CO.
ORA L. JACKSON A #2
KB 3879' TD 10,262'
8-T19S-R35E

SOUTHLAND ROYALTY CO.
SCHARB 8 #1
KB 3860' TD 10,800'
8-T19S-R35E

SOUTHLAND ROYALTY CO.
SCHARB 4 #1
KB 3877' TD 10,706'
4-T19S-R35E

SOUTHLAND ROYALTY CO.
SCHARB 9 #1
KB 3856' TD 10,841'
9-T19S-R35E

AMOCO PRODUCTION CO.
ELKAN #1
KB 3827' TD 10,431'
9-T19S-R35E

AMOCO PRODUCTION CO.
ELKAN #2
KB 3832' TD 10,900'
9-T19S-R35E

DATUM

TOP 1st BONE SPRING SAND

TOP ORA JACKSON PAY ZONE

ELKAN PAY ZONE

TOP 2nd BONE SPRING SAND

SCHARB PAY ZONE

TOP WOLFCAMP

DST (Bone Spring) 9622-727', misrun
DST (Bone Spring) 9622-727', op 3 hr, rec 350 FT GCM, 1 hr ISIP 3086#, FP 213-295#, 3 hr FSIP 3636# HP 4961#

DST (Bone Spring) 10,112-262' op 2 hrs GTS in 30 mins; Rec out 62 BO ISIP 3463#, FP 119-329#, FSIP 3611#

Perf (Bone Spring) 10,136-152' w/4 SPF
Acid 2000 gals; Swbd loads; Re Acid 8500 gals
Flwd 140 BO in 17 hrs thru 10/64" chk., TP 325#

CMP. 2-1-64

IP (Bone Spring) 10,136-152' Flwd 170 BOPD
Pot based on 24 hr test thru 16/64" chk., TP 200#, CP Pkr, Grav. 38.7

CUM: 233.6 MBO

DST (Bone Spring) 10,044-164', op 1 hr, rec 400 FT oil + 100 FT GCM, 1 hr ISIP 4195#, FP 132-202#, 3 hr FSIP 4214#, HP 5387#

Perf (Bone Spring) 10,057-067' w/1 SPF
Acid 1100 gals; Swbd 11 BO + 4 BLW
Flwd 18 BO in 24 hrs
Pgd 46 BO + 2 BW in 24 hrs
Pgd 41 BO + 2 BW in 24 hrs

DST (Wolfcamp) 10,466-536', misrun
DST (Wolfcamp) 10,466-536' (2), op 1 hr rec 750 FT O & GCM (Sampler rec 3,25 CFT GAS + 100 CC oil + 300 CC OCM @ 2000#), 1 hr ISIP 4667#, FP 464-643#, 3 hr FSIP 4685#, HP 5642-5656#

DST (Wolfcamp) 10,626-668', op 2 hrs 15 mins, rec 35 FT OM w/TR oil (Sampler rec 1 CFT GAS + 1800 CC OM w/TR oil @ 250#), 1 hr ISIP 3564#, FP 654-814#, 3 hr FSIP 3787#, HP 5732-5772#

CMP. 8-28-81

IP (Bone Spring) Perfs 10,057-067' P 61 BOPD + 2 BW. Pot based on 24 hr test. GOR 1180; Grav 37

CUM: 3.3 MBO

Perf (Bone Spring) 9614-34' (overall)
Acid 500 gals; Flwd 350 BO + 1 BW in 18 hrs thru 24/64" chk, TP 200#
Flwd 204 BO + 1 BW in 24 hrs thru 12/64" chk

CMP. 9-13-80

IP (Bone Spring) Perfs 9614-34' F 400 BOPD, Pot based on 24 hr test thru 12/64" chk GOR 1579; Grav 35.4; CP Pkr, TP 200#

CUM: 82 MBO

DST (Bone Spring) 9590-9670' Pkr failed
DST (Bone Spring) 9614-707', op 1 hr 15 mins, GTS in 15 mins, rec 250 FT O & GCM (Sampler rec .205 CFT GAS + 1,950 CC oil + 60 CC W/M) 1 hr ISIP 4247#, FP 327-703#, 3 hr FSIP 3922#, HP 5035-5044#

Perf (Bone Spring) 9630-9732' (overall)
Acid 500 gals
Flwd 151 BO + 3 BW in 24 hrs thru 18/64" chk, TP 850#

DST (Bone Spring) 9988-10,156' op 1 hr, rec 6 FT OCD FLUD, 1 hr ISIP 329#, FP 146-146#, 3 hr FSIP 205#, HP 5841-5795#

DST (Wolfcamp) 10,466-524', op 1 hr rec 90 FT O & GCM, 1 hr ISIP 3069# FP 103-141#, 3 hr FSIP 4624#, HP 5743-5810#

DST (Wolfcamp) 10,600-666', op 1 hr 15 mins, rec 2000 FT GAS + 200 FT GCM w/TR oil, 1 hr ISIP 3841#, FP 155-320#, FSIP (Per Pailed) HP 5853-5853#

CMP. 10-4-81

IP (Bone Spring) Perfs 9630-9732' F 201 BOPD, Pot based on 24 hr test thru 12/64" chk, GOR 1539; Grav (60); CP Pkr, TP 560#

CUM: 7 MBO (4 months)

Perf (Bone Spring) 9536-60', 9613-46 w/2 SPF
Natural; Flwd 164 BO + 155 BW in 8 hrs thru 32/64" chk, TP 150#
Flwd 313 BO + 307 BW in 24 hrs thru 32/64" chk, TP 850#

CMP. 5-21-82

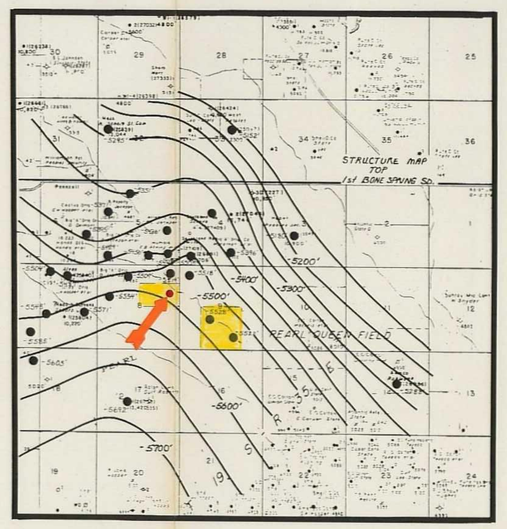
IP (Bone Spring) Perfs 9536-9646' F 325 BOPD + 323 BW Pot based on 24 hr test thru 22/64" chk, GOR 1206; Grav (40) CP Pkr, TP 650#

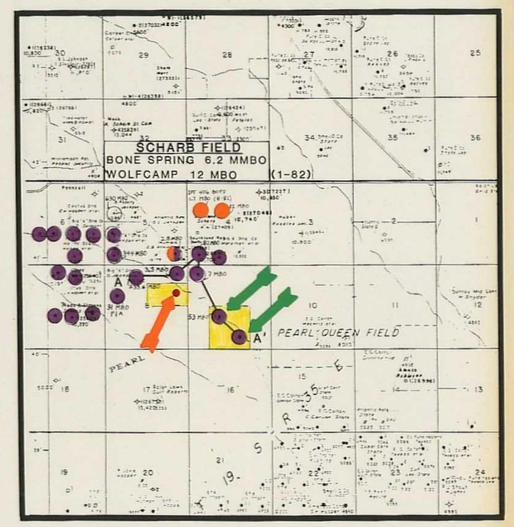
CUM: 53 MBO

STILL TESTING

STRATIGRAPHIC COLUMN

SYSTEM	SERIES OR EPOCH	DELAWARE BASIN
QUATER-NARY	RECENT	Alluvium
	PLEISTOCENE	
TERT-IARY	PLIOCENE TO EOCENE	
CRET-ACEOUS	GULF	
	COMANCHEAN	Cherry Canyon Tongue / Brushy Canyon Tongue
TRIASSIC	UPPER	Dewey Lake Redbeds
PERMIAN	OCHOA	Dewey Lake / Rustler / Salado / Castile
	GUADALUPE	Lamar Bell Canyon / Cherry Canyon / Brushy Canyon / Lower Brushy Canyon / Bone Spring Lime
	LEONARD	1st Bone Spring Sand / 2nd Bone Spring Sand / 3rd Bone Spring Sand
	WOLFCAMP	Wolfcamp





Amoco Production Company
HOUSTON REGION
WEST TEXAS - EASTERN NEW MEXICO DIVISION

SOUTH SCHARB FIELD

STRATIGRAPHIC CROSS SECTION A-A'

—LEGEND—
Vertical Scale 1"=100'
Horizontal Scale
MAP SCALE 1"=4000'

ENCL. NO. ____
MEMO NO. ____

DATE 11-5-82
GEOL. TED GAWLOSKI
E.T. D. CALDWELL

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 4
CASE NO. 7717