



DATE June 8, 1955 SHEET NO. 1

Gulf Oil Corporation - Fort Worth Production Division

NAME OF COMPANY AND DIVISION

LEASE State "DV" NO. 18,192 WELL NO. 1

FIELD Leon Valley ZONE West Texas NO. 5 COUNTY Pecos PARISH AFE NO. NT-9611

LOCATION 10-8-54 154-S/2 I-7 710' from the North Line and 1650' from the East
DATE MAP NO. CO-ORD NO.
Line of Section 18, University Block 28.

ELEVATIONS: GROUND D.F. 3079' TOP KELLY DR. BUSHING TO GROUND 3076' MEAN LOW TIDE TO TOP KELLY DRIVE BUSHING 10.55' KELLY DR. BUSHING TO TOP OIL STRING FLANGE 11.40'

TYPE OF RIG: Rotary POWERED BY Gas Engines FUEL Natural Gas
ELECTRIC MOTOR, GAS, OIL OR STEAM ENGINE

DATES: 12:01 PM 10-29-54 11:55 PM 10-30-54 5:45 PM 11-11-54
STARTED RIGGING UP STARTED DRILLING COMPLETED DRILLING PRODUCING (HOUR AND DATE)

METHOD OF CORING Not Cored

CONTRACTOR OR COMPANY Oscar Bourg Drilling Company - Contract No. FW-4526

REASON: DRILLED DEEPENED WORKED OVER ABANDONED Development - Lease Obligation -
Reasonable Development (DEVELOPMENT-PROVEN)

INITIAL-24 HOUR POTENTIAL PRODUCTION DATE TEST COMPLETED Not Tested FLOWING PUMPING BBLs. FLUID % S.S. & W.
BBLs. NET OIL COR. GRAVITY COLOR GAS MCF GOR

DETAIL OF TEST Not Tested - Assigned to J. S. Meriwether, Jr. March 29, 1956
HOUR AND DATE STARTED HOUR AND DATE ENDED NO. HOURS OIL BBLs. WATER BBLs. GAS MCF
ACID TREATED NITRO SHOT

CHOKES (SIZES AND TYPES) CASING PRESSURES FLOWING CLOSED IN TUBING PRESSURES FLOWING CLOSED IN

METHOD PRODUCED Not Tested (Plugged back from 2710')
TOTAL DEPTH 2710' PRESENT DEPTH 2690' OIL STRING CASING SEAT 2498' PRODUCING SECTIONS Not Tested
(ALL MEASUREMENTS ARE FROM TOP OF KELLY DRIVE BUSHING)

DATE ABANDONED TEMPORARY OR PERMANENT

REMARKS: Bit Record: 2 - 13-3/4" Water Source furnished by Lease
1 - 12-3/4" Water Well.
6 - 8-3/4"
5 - 6-1/4"

DRILLING SUPERVISOR R. L. Moore FIELD SUPERVISOR T. R. Coffield

LEASE State "DV" WELL NO. 1 FIELD Leon Valley

SUMMARY OF CASING, LINER, STRAINER, TUBING AND RODS:

SIZE	MAKE	TYPE	WEIGHT	NO. OF THREADS	JOINTS	FEET AND INCHES	AMOUNT CEMENT
		SEAMLESS OR L. WELD					
9-5/8" OD	National	Seamless Gr. H-40	32.30#	8 Rnd	18	577.79'	500 Sacks Circulated
					<u>SEATED AT 593'</u>		

DETAILED SETTING OF CASING, LINER, STRAINER, TUBING AND RODS:

DETAILED 9-5/8" OD CASING SETTING 11-1-54 - NT-9611

595.00' Bottom of hole
 2.00' Distance casing seated off bottom
593.00'
 1.38' 1, 9-5/8" OD Larkin Shoe (Left in hole)
591.62'
 30.85' 1 Jt. 9-5/8" OD 8 Rnd Thd 32.30# Gr. H-40 SS National Casing (Left
 in hole)
 560.77'
 1.50' 1, 9-5/8" OD Larkin Float Collar (Left in hole)
559.27'
546.94' 17 Jts. 9-5/8" OD 8 Rnd Thd 32.30# Gr. H-40 SS National Casing (Left
 in hole)
 12.33'
12.33' Distance from top of Kelly Drive Bushing to top of 9-5/8" OD Casing

Installed 2 centralizers and 5 scratchers from 590-540' - Cemented with 350 sacks Longhorn Regular Bulk Cement; 250 sacks mixed 4% Gel and 100 sacks Neat Cement, with 1/2# Flocele added per sack - Cement did not circulate - Maximum Pressure 600# - Minimum 200# - Job completed 7:45 PM, 11-1-54 - Found top of cement at 110' - After 12 hours, recemented outside casing from 110' to surface with 150 sacks cement and Calseal with 1/4# Flocele added - Job completed 11:AM, 11-2-54 - Tested casing and blow-out preventer with 1000# water pressure 30 minutes, OK.

ALL ABOVE 9-5/8" OD CASING LEFT IN HOLE, UNABLE TO PULL

WELL LOG

PIPE AND STRAINER INSTALLATIONS
GULF FW 1226-B

DATE June 8, 1955

SHEET NO. 2 A

LEASE State "DV"

WELL NO. 1 FIELD _____

SUMMARY OF CASING, LINER, STRAINER, TUBING AND RODS:

SIZE	MAKE	TYPE	WEIGHT	NO. OF THREADS	JOINTS	FEET AND INCHES	AMOUNT CEMENT
		SEAMLESS OR L' WELD					
7" OD	National	Seamless Gr. J-55	20#	8 Rnd	79	2483.29'	750 Sacks Circulated
						<u>SEATED AT 2498'</u>	

DETAILED SETTING OF CASING, LINER, STRAINER, TUBING AND RODS:

DETAILED 7" OD CASING SETTING 11-12-54 - NT-9611

2500.00' Bottom of hole
 2.00' Distance casing seated off bottom
2498.00'
 3.31' 1, 7" OD Halliburton Packer Shoe (Left in hole)
2494.69'
2483.29' 79 Jts. 7" OD 8 Rnd Thd 20# Gr. J-55 SS National Casing (Left in hole)
 11.40'
11.40' Distance from top of Kelly Drive Bushing to top of 7" OD Casing

Installed 5 centralizers and 18 scratchers from 2290-2490' - Cemented with 750 sacks Longhorn Regular Bulk Cement; 550 sacks mixed 4% Gel and 200 sacks Neat - Circulated out approximately 40 sacks cement - Maximum Pressure 1100#; Minimum 200# - Job completed 11:PM, 11-12-54 - Tested casing with 1000# water pressure 30 minutes, OK.

ALL ABOVE 7" OD CASING LEFT IN HOLE, UNABLE TO PULL

FLOW LINE:

LEASE State "DV" WELL NO. 1 FIELD Leon Valley

SUMMARY OF CASING, LINER, STRAINER, TUBING AND RODS:

SIZE	MAKE	TYPE	WEIGHT	NO. OF THREADS	JOINTS	FEET AND INCHES	AMOUNT CEMENT
		SEAMLESS OR L' WELD					
2-3/8" OD	National	Seamless Gr. J-55	4.70#	8 Rnd	87	2669.45'	
					Perf.	4.00'	
						<u>2673.45'</u>	
						SUSPENDED AT 2688'	

DETAILED SETTING OF CASING, LINER, STRAINER, TUBING AND RODS:

DETAILED 2-3/8" OD TUBING SETTING 11-16-54 - NT-9611

2690.00' Bottom of hole (Plugged back from 2710')
 2.00' Distance tubing suspended off bottom
2688.00'
 30.70' 1 Jt. 2-3/8" OD 8 Rnd Thd 4.70# Gr. J-55 SS National Tubing - Mud
2657.30' Anchor
 4.00' 1, 2-3/8" OD Perforated Nipple
2653.30'
2638.75' 86 Jts. 2-3/8" OD 8 Rnd Thd 4.70# Gr. J-55 SS National Tubing
 14.55'
 4.00' 1, 2-3/8" OD Tubing Nipple
10.55'
10.55' Distance from top of Kelly Drive Bushing to top of 2-3/8" OD Tubing

RECOVERED ALL ABOVE PRODUCING EQUIPMENT

RECOVERED

FLOW LINE:

WELL LOG
 DRILLING SUMMARY
 GULF H 1227-B

DATE June 8, 1955

SHEET NO. 3

LEASE State "DV"

WELL NO. 1

FIELD Leon Valley

DEPTH	FEET	DESCRIPTION
0	10.55	Distance from top of ground to top of Kelly Drive Bushing
252	241	Surface Soil and Anhydrite - 13-3/4" hole - Lost circulation at 72'.
595	343	Dry Drilling - Reduced to 12-3/4" hole at 501' Reduced to 8-3/4" hole at 595'
855	260	Red Bed and Sand
1375	520	Red Bed - Reached 1000' 11:40 AM, 11-3-54
1630	255	Anhydrite and Sand
1810	180	Anhydrite and Lime
1869	59	Anhydrite
2368	499	Anhydrite and Lime - Reached 2000' 11:AM, 11-5-54
2437	69	Lime - Heavy show of gas and sulphur water flow at 2370'
2496	59	Lime and Anhydrite
2710	214	Lime - Reduced to 6-1/4" hole at 2500'
2690	-	Plugged back from 2710'

DATE June 8, 1955 SHEET NO. 4

LEASE State "DV" WELL NO. 1 FIELD Leon Valley

DIRECTIONAL, DEVIATION, ELECTRICAL, DRILL STEM TESTS, CORES, PRODUCTION TESTS, SQUEEZE JOBS, ETC.

DEVIATION - TOTCO SURVEYS

1 at 595' 2-1/4 at 1743' 1-3/4 at 2500'
1-3/4 at 1305' 1-3/4 at 2028'

ELECTRICAL SURVEYS

11-14-54 - Ran Lane-Wells Gamma Ray and Neutron Surveys to 2710' (Logged depth 2709').

DRILL STEM TESTS

No. 1, 11-12-54 - 2 Hour Halliburton Drill Stem Test 2580-2710' (O'Brien) with 1" surface choke and 5/8" choke at 2556' - Used Packer at 2580' - Bombs at 2560' and 2708' - Strong blow of air with gas to surface in 6 minutes - Continued 1 hour and 54 minutes at 24 hour rate of 78,700 cu. ft. - Recovered 210' gas-cut drilling mud, no oil or water - Hydrostatic Pressure 1440# - Flowing Pressure 140# - 15 Minute BHP 1210#.

FISHING JOBS

No. 1, 11-4-54 - Pin broke off drill collar in rotary table while drilling at 1810' - Ran overshot - Recovered fish - Lost 3 hours.

No. 2, 11-6-54 - Twisted off at top of 5-3/4" drill collar while drilling at 2158' - Left in hole 1, 8-3/4" rock bit and 4, 5-3/4" drill collars - Top of fish 2150' - Recovered - Lost 3-3/4 hours.

SAND FRAC TREATMENT

11-17-54 - Loaded hole with 113 bbls oil - Broke formation with 52 bbls oil at 2000# - Sand oil fraced formation from 2498-2690' through 7" casing and 2-3/8" tubing with 6000 gallons crude oil mixed with 1-1/2 pounds of sand per gallon - Flushed with 152 bbls oil at injection rate of 16.1 bbls per minute - Maximum tubing pressure 2200#; broke to 700# - Maximum casing pressure 1000#; broke to 600# - Job completed 4:PM, 11-17-54 - C.I. Casing pressure 600#; C.I. tubing pressure 700#.

R E M A R K S

11-14-54 2710' Lime - Ran Lane-Wells Gamma Ray and Neutron Surveys to 2710' - Ran 87 Jts. (2697.32') of 2-3/8" tubing to 2697.32' - Perforation at 2672.15'.

11-15-54 2710' Lime - Pulled all tubing - Dumped 32 gallons Hydromite thru
11-16-54 from 2710-2679' - Let Hydromite set 12 hours - Found top of plug at 2678' - Drilled Hydromite 2678-2680' - Open hole to 2683' - Drilled plug to 2690' - Ran tubing. Displaced mud with 113.10 bbls oil - Swabbed and recovered all oil load in 8-1/2 hours - Well kicked off with dry gas at volume of 310,000 cu. ft. per 24 hour rate.

WELL LOG
DETAIL DATA
GULF FW1228-A

DATE June 8, 1955 SHEET NO. 4 A

LEASE State "DV" WELL NO. 1 FIELD Leon Valley

DIRECTIONAL, DEVIATION, ELECTRICAL, DRILL STEM TESTS, CORES, PRODUCTION TESTS, SQUEEZE JOBS, ETC.

11-17-54 2690' Lime - Sand Fraced treated formation from 2498-2690' with 6,000 gallons
Thru Frac Oil and 9000# Sand - Flushed with 152 bbls oil - Closed in
11-20-54 8 hours - Flowed 205.5 bbls oil load thru 2-3/8" tubing 5 hours
with 1/2" choke - Gas Volume 3,170,000 cu. ft. - Tubing Pressure
750# - Casing Pressure 940# - Flowed 122.5 bbls oil thru 2-3/8"
tubing with 1/2" choke 24 hours - Gas Volume 4,580,000 cu. ft. -
Tubing Pressure 730# - Casing Closed In Pressure 945# - Flowed
73 bbls oil thru 2-3/8" tubing with 1/2" choke 24 hours - Gas
volume 4,090,000 cu. ft. - Tubing Pressure 680# - Casing Pressure
900# - Flowed 23 bbls oil thru 2-3/8" tubing with 1/2" choke 7
hours - Gas Volume 4,090,000 cu. ft. - Tubing Pressure 680# -
Closed in Casing Pressure 900# - Closed well in.

11-23-54 2690' Lime - Flowed 22 bbls oil load and no water thru 2-3/8" tubing 25 hours -
Gas Volume 3,550,000 cu. ft. - Tubing Pressure 780# - Closed in.

11-26-54 2690' Lime - Flowed 42 bbls oil and 2 bbls Water thru 2-3/8" tubing 24 hours
with 3/8" choke - Gas Volume 3,024,000 cu. ft. - Tubing Pressure
860# - Casing Pressure 980# - 4% Water - Oil load recovered plus
42 bbls.

11-28-54 2690' Lime - Flowed 79.9 bbls oil and 5.1 bbls water thru 2-3/8" tubing with
3/8" choke 49 hours - Gas Volume 2,846,000 cu. ft. - Tubing
Pressure 780# - Casing Pressure 920# - Closed in.

4-6-55 2690' Lime - Operations Temporarily suspended - Released rig 12:01 PM, 11-20-54.

3-29-56 2664' Lime - Well not completed - Assigned to J. S. Meriwether, Jr., March
29, 1956.

B. E. THOMPSON

RPD
CDC (3)
WML
KPM
WCT (2)
TRC (3)
WNW
D&Mc
File (2)

University Lands - Attn: Berte R. Haigh, P. O. Box 1663, Midland, Texas.