

CASING AND COMPLETION REPORT

Year: 1962 (Oil: X Gas:) District: KANSAS

WELL NAME: GATES "C" #3		SEC: 33	TWP: 21S	RGE: 13W	LOG: NE SW SE
COUNTY: STAFFORD		STATE: KANSAS	POOL OR FIELD: GATES		
ELEVATION: K.B.: 1896		D.F.: 1894	G.L. (Top Welded Collar): 1891		
Date Moved In 10-17-62	ROTARY CONTRACTOR		GARVEY DRILLING COMPANY		RIG NO: 8
Date Moved In 11-5-62	CABLE TOOL CONTRACTOR		COOKIES DRLG. CO.		RIG NO: 1
Date 10-17-62	Time 6:30PM	SURFACE CASING: Sacks			
		Size: 8-5/8"	Wt: 19#	Set: 326	Cement: 275 Gel: 2% CC: 2%
Date 10-27-62	Time 5:30AM	PRODUCTION STRING:			
		Size: 5 1/2"	Wt: 15.5	Class: J-55 Set	Grade: B From: 3749 To: 3069.34
		Size: 5 1/2"	Wt: 14#	Class: J-55 Set	Grade: B From: 3069.34 To: 12.20
		Size: 5 1/2"	Wt: 15.5#	Class: J-55 Set	Grade: B From: 12.20 To: G.L.
PIPE SETTING SUPERVISED By: WISE & BIRD		PRODUCTION STRING CEMENT: Cu. Ft.: 102.75 Gel: 2% (Describe: <u> </u>)			
		75 SACKS SALT SATURATED POZMIX CEMENTING CO: GLOBE			

FLOAT COLLAR DESCRIPTION: HALLIBURTON INSERT SELF FILLUP FLOAT VALVE

GUIDE SHOE DESCRIPTION: HALLIBURTON REGULAR CEMENT GUIDE SHOE

SCRATCHER PLACEMENT: 3747-3722

CENTRALIZER PLACEMENT: 3748-3718-3685-3572-318-

BASKET POSITION NONE type:

CASING HEAD DESCRIPTION: WALKER L-8 8-5/8" x 5 1/2" w/2 2" OUTLETS

PORT COLLAR: Between: NONE and Joint, or: Feet Down from K.B.

PORT COLLAR CIRCULATED WITH: NONE DATE: 19

ANHYDRITE: Top (KB): 748 Bottom: 775 CEMENTED WITH: NONE Sacks

EXPECTED PRODUCING FORMATION ARB. TOP (KB): 3746

ROTARY TOTAL DEPTH (KB): 3757 CASING SET AT (KB): 3749

FLOAT COLLAR (KB): 3686.99' LENGTH OF SHOE JOINT: 62.01

CASING AND COMPLETION REPORT

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LIST 20 JOINTS FROM FLOAT COLLAR UP: 33.40/32.86/30.16/32.64/31.30/31.76/32.47/

33.49/34.52/33.79/30.98/29.77/34.76/33.42/33.88/33.24/31.58/32.85/30.78/34.36.

DRILL PIPE STRAPPING ON TOTAL DEPTH (KB): 3756.36 FEET - .64

CASING MEASUREMENT ON TOTAL DEPTH (KB): 3756.20 FEET - .80

DID PIPE FREEZE WHILE ROTATING? Yes No X

ROTATED: 10 MINUTES ~~WXXX~~ PLUG WAS ~~XXXXXX~~ FLOAT. ONE X OR TWO PLUGS

AFTER SALT SATURATED
BARRELS OF WATER AHEAD OF CEMENT: 10 BARRELS. CIRCULATING PRESSURE: 350

CEMENTING PRESSURE: 550 # WAS FLUID CIRCULATION LOST? Yes: No: X

DID FLOAT HOLD? Yes: X No: TIME PLUG WAS DOWN: 5:30 A.M. P.M.

USED 5.8 GAL. PER SACK TO MIX & HOLE VOLUME OF 89 BBLs. TO PUMP PLUG DOWN.

TEMPERATURE SURVEY SHOWS TOP OF CEMENT AT: 3330. 77.1% FEET

DRILLING IN INSTRUCTION: Zero is K. B. or 5 Feet above Welded Collar.
String in Carefully on first solid cement - Find
Float Collar in short runs - fix permanent
String (Double tie painted) at header for Float
Collar.

(PIPE HAD NO PROTECTORS)

NOTE: DRILL OUT TO: FEET AND WAIT ON SUPERVISOR.

Date	Time	
		CORRECTION ON DRILLING IN:
		CONDITION OF CEMENT IN PIPE:
		AMOUNT OF CEMENT BELOW SHOE:
		WELL SURVEY MEASUREMENT DIFFERENCE: -Give Log Measurement on
		Total Depth: RESET TO: (By Collars)
		DRILLING IN: RECORD AND DESCRIBE OPERATIONS IN DATED ORDER:
11-5-62	10:00AM	COOKIE DRILLING CO. MOVED IN
11-6-62	8:00 AM	DRILLING CEMENT AT 3746' CEMENT FIRM
11-6-62	12:30PM	DRILLED SHOE
11-6-62	2:30PM	CLEANED OUT TO T.D. 3757' HAD 425' FILL UP
11-7-62	8:00AM	HAVE RECOVERED 39 BTF, WELL MAKING 1.53 BBL. OIL HR FOR LAST 10
		HRS. NO WATER, GRAVITY 26

Continued on Form #24A

FOR DRILLING IN & COMPLETION REPORTS, WORKOVER JOBS AND ADDITIONAL INFORMATION ON WELL

WELL: GATES C # 2

DATE	TIME	DETAIL WORK DONE
12-12-62		RESULTS OF STATE TEST 28 S.O.D. N ₂ WATER
2-4-63		Operating shot shows well pumped off below C ₅ G perf. 8 3/4 SPM.
4-4-63		Acid. Engineers dumped 250 gal XX I-C Additive added with WSE in fluid 10 BBL. of slush hole drilled back with 5 bbs over hole volume. 74 BBL. (S)
5-8-63		RESULTS OF STATE Bld Test 13 B.O.D. N ₂ WATER
2-4-65		Fluid still shows 415' of fluid in hole pumping 45 BTFD 30 b water. (S)
2-24-66		Fluid shot shows well pumped off at 98 BWD 13 BOD (S)
		3' 11 1/2" / 16" / 1.5"

PETROLEUM, INC.
FOR DRILLING IN & COMPLETION REPORTS, WORKOVER JOBS AND ADDITIONAL INFORMATION ON WELL

WELL: GATES 'C' #3 COUNTY: STAFFORD DATE: 9-19-67

WORKOVER JOB# K-41 AFE# AMOUNT OF AFE#

DATE	TIME	DETAIL WORK DONE
9-19-67	8:00 AM	PRIOR TO WORKOVER WELL MAKING 5 BOD, 35 BWD.
	2:00 PM	KERR WELL MOVED IN, RIGGED UP AND STARTED PULLING RODS & TUBING.
	2:30 PM	RODS AND TUBING OUT OF HOLE.
	4:30 PM	STARTED RUNNING TUBING W/PJ MODEL R PACKER.
		TUBING AND PACKER IN HOLE, SHUT DOWN TILL MORNING.
		RIG 1ST DAY \$210.50 SUPERVISION 50.00
		Total 1st DAY \$260.50
9-20-67	1:00 PM	NowSCO & DOWELL RIG UP TO TREAT ARBUCKLE OPEN HOLE FROM 3749' TO 3757' WITH NITROGEN AND SUPER XW ACID.
	2:00 PM	SPOTTED NITROGEN, SET PACKER AT 3725' AND TREATED AS FOLLOWS: 70,000 CU. FT. N-2, 4000 GAL. SUPER X-W WITH 1500 CU. FT. N2 P.M. FLUSHED W/24,000 CU. FT. N-2, MAX. PRESSURE 1850, FINISHED AT 1850#, 1 M.P.D. 1850 TO 1800#, 5 M.P.D. 1850 TO 1775#, SHUT IN & HOOKED UP SWAB LINE, AVE. RATE ON SUPER X 1 1/4 RPM, AVE. RATE ON N-2 1500 CU. FT. P.M. TOTAL OF 167,000 CU. FT. N-2 4000 625 SUPER-X TOTAL SEED 96 BBL.
	4:40 PM	STARTED FLOWING TO SWAB TANK AT 650# PRESSURE.
	6:40 PM	FLOWED 41.66 BTF IN 2 HRS. AT 100#, 40% ACID WATER, 60% B.S.
	10:10 PM	FLOWED 23.32 BTF IN 3 1/2 HRS. AT 50# 80% W, 8% PARAFFIN, 12% OIL.
		RIG 2ND DAY \$232.00 NITROGEN 400.00 SUPER X-W 1510.00 TANK MOVE 40.00 SUPERVISION 50.00
		Total 2nd DAY \$2232.00
		Bt. FWD. 260.50
		Total \$2492.50
9-21-67	2:40 AM	FLOWED 13.28 BTF IN 4 1/2 HRS., 76% WATER, 6% PARAFFIN, 18% OIL, WELL QUIT FLOWING, RECOVERED 78.26 BTF OF 96 BBL. SEED.
	8:00 AM	RIGGED UP SWAB.
	9:00 AM	HAVING TROUBLE RUNNING SWAB BECAUSE OF HEAVY CRUDE.
	11:00 AM	SWABBED 3.32 BTF, 2 HRS. 60% W., 40% OIL, FLUID 2000' FROM SURFACE
	12:00 PM	SWABBED 15.00 BTF, 83% W, 17% OIL, FLUID 1000' FROM SURFACE.
	1:00 PM	SWABBED 8.30 BTF, 70% WATER, 2 PULLS FLUID 1000' FROM SURFACE.
	2:00 PM	SWABBED 8.30 BTF, 65% WATER, 2 PULLS FLUID 1000' FROM SURFACE.
	3:00 PM	SWABBED 8.30 BTF, 70% WATER, 2 PULLS FLUID 1000' FROM SURFACE. RECOVERED 121.48 BTF, 25.48 BBL. OVER SEED.

PETROLEUM, INC.

FOR DRILLING IN & COMPLETION REPORTS, WORKOVER JOBS AND ADDITIONAL INFORMATION ON WELL

WELL: GATES 'C' #3 COUNTY: STAFFORD DATE: 9-21-67

WORKOVER JOB# K-41 AFE# AMOUNT OF AFE#

DATE	TIME	DETAIL WORK DONE
9-21-67	3:30 PM	SHUT DOWN TILL MORNING.
		RIG 3RD DAY \$190.00 SUPERVISION 50.00
		TOTAL 3RD DAY \$240.00
		BRT. FWD. 2492.50
		TOTAL \$2732.50
9-22-67	9:15 AM	RELEASED PACKER AND STARTED PULLING TUBING.
	2:00 PM	TUBING AND PACKER OUT OF HOLE, HAD TROUBLE PULLING PACKER BECAUSE OF HANGING UP DUE TO SOMETHING ON TOP OF PACKER.
	2:30 PM	RUN 5/8" RODS IN HOLE TO LAY DOWN AND EXCHANGE W/7/8 RODS.
	5:00 PM	5/8 RODS OUT OF HOLE AND ON TRUCK.
	5:15 PM	RIGGED UP BAILER TO CLEAN UP HOLE.
	6:15 PM	HOLE CLEANED UP, RECOVERED ABOUT HAND FULL FORMATION.
	6:30 PM	SHUT DOWN TILL MORNING.
		RIG 4TH DAY \$232.00 SUPERVISION 50.00
		TOTAL 4TH DAY \$282.00
		BRT. FWD. 2732.50
		TOTAL \$3014.50
9-23-67	8:00 AM	CLEANED UP AND RIGGED UP TO RUN 2-7/8" TUBING.
	12:15 PM	TUBING IN HOLE, RIG UP TO RUN PUMP AND RODS.
	3:30 PM	RODS AND PUMP IN HOLE.
	4:00 PM	RELEASED RIG.
		RIG 5TH DAY \$221.00 TUBING ANCHOR 204.97 SWAB TANK RENT 125.00 CLEAN SWAB TANK 28.00 SUPERVISION 50.00 SUPPLIES, EST. 75.00
		TOTAL 5TH DAY \$703.97
		BRT. FWD. 3014.50
		TOTAL WORKOVER \$3718.47 & EQUIPMENT CHANGE WELLBROCK

Well: Niles C #3 R.T.D.: 3757 Casing Set: 3749 Date: 10-27 1962

 Drill Pipe Strapping on T.D.: 3756.36 Casing Strapping on T.D.: 3756.20

- INSTRUCTIONS: (1.) Number joints AS TALLIED in Column A.
 (2.) Number joints AS RUN in Column B.
 (3.) Assemble shoe joint as measure overall.
 (4.) Consider PORT COLLAR as one joint; measure and record.

A.	B.	FOOTAGE	A.	B.	FOOTAGE	A.	B.	FOOTAGE	A.	B.	FOOTAGE
1	1	29.63	35	35	33.27	69	69	32.31	103	103	33.47
2	2	22.38	36	36	32.18	70	70	28.50	104	104	30.09
3	3	33.40	37	37	35.03	71	71	33.13	105	105	32.22
4	4	32.86	38	38	33.69	72	72	32.66	106	106	32.72
5	5	30.16	39	39	33.91	73	73	34.87	107	107	31.45
6	6	22.64	40	40	32.72	74	74	31.22	108	108	31.31
7	7	31.30	41	41	33.63	75	75	33.33	109	out	31.42
8	8	31.76	42	42	33.21	76	76	34.93	110	out	32.60
9	9	32.47	43	43	33.55	77	77	33.71	111	out	24.22
10	10	33.49	44	44	33.80	78	78	34.26	112	out	33.10
11	11	34.52	45	45	33.07	79	79	34.59	113	out	30.89
12	12	33.79	46	46	34.85	80	80	34.03	114	out	31.41
13	13	30.98	47	47	32.66	81	81	33.92	115	out	31.03
14	14	29.77	48	48	33.20	82	82	34.25	116	109	30.84
15	15	34.76	49	49	32.70	83	83	33.90	117		
16	16	33.42	50	50	44.69	84	84	34.88	118		
17	17	33.88	51	51	44.70	85	85	34.65	119		
18	18	22.24	52	52	42.21	86	86	33.50	120		
19	19	31.58	53	53	45.56	87	87	33.27	121		
20	20	32.85	54	54	43.74	88	88	32.10	122		
21	21	30.78	55	55	41.79	89	89	31.50	123		
22	22	34.36	56	56	43.78	90	90	30.26	124		
23	23	32.88	57	57	43.95	91	91	32.34	125		
24	24	33.93	58	58	41.21	92	92	33.64	126		
25	25	33.57	59	59	42.29	93	93	32.71	127		
26	26	32.21	60	60	43.97	94	94	31.18	128		
27	27	33.62	61	61	40.78	95	95	28.33	129		
28	28	33.40	62	62	43.71	96	96	30.26	130		
29	29	32.98	63	63	43.03	97	97	32.18	131		
30	30	33.15	64	64	43.45	98	98	30.80	132		
31	31	31.49	65	65	43.69	99	99	31.62	133		
32	32	30.86	66	66	41.05	100	100	33.77	134		
33	33	33.77	67	67	43.45	101	101	31.75	135		
34	34	34.71	68	68	41.99	102	102	30.74	136		
34		1110.59	34		1318.51	34		1110.68	14		432.27
	34	1110.59		34	1318.51		34	1110.68		7	222.10

TOTAL AS	JOINTS	FOOTAGE
TALLIED	34	1110.59
Add Above Columns	34	1318.51
	34	1110.68
	14	432.27
GRAND TOTAL:	116	3977.05
TOTAL AS	JOINTS	FOOTAGE
RUN	34	1110.59
Add Above Columns	34	1318.51
	34	1110.68
	7	222.10
GRAND TOTAL:	109	3761.88

JOINTS	FOOTAGE
CASING FOOTAGE RUN	3709.6 3761.88
CUT OFF LAST JOINT	XXXX 18.64
NET CASING IN HOLE	109 3743.24
TOTAL PIPE LENGTH:	3761.88
LESS: SHOE JOINT:	3699.87
WIRE-LINE MEASUREMENT ON FLOAT	3701
SUPERVISOR:	Wise