

ORIGINAL

15-033-20674-0001

OIL PRODUCERS INC. OF KANSAS

WASH WELL DOWN

SET & CEMENT PRODUCTION CASING

WELL - DALE #2 ^{"A"} ~~CHMO~~ (PREVIOUSLY KNOWN AS DALE A #2 CITIES SERV)

LEGAL DESCR. - 150' E OF C-SW/SW - 26-32s-18w IN COMMACHE CO.

GROUND ELEV. - 2025'

K.B. - 7' ABOVE G.L.

API # - 15-033-20674

KCC

SURFACE CSN. - 13 3/8" @ 88' WITH 90 SX.
8 5/8" @ 570' WITH 300 SX.

JUN 26 1996

RTD - 5850'

LTD - NONE

CASING ON LOCATION - 132 JTS. 4 1/2", 10.5# USED T&D (5256.64')

CASING RAN - 132 JTS. 4 1/2", 10.5# USED T&D (5256.64') T.O.

CASING CHARGED - ALL PURCHASED FROM A&W SUPPLY.

CASING SET - 5255'

D.V. TOOL SET @ - NONE

SHOE JT. - 32.88'

TOP INSERT - 5222.12'

CENTRALIZERS SET @ - 5222', 5100', 5020', 4940', 4860'.

SCRATCHERS SET @ - NONE

FLUSH - 500 GAL SALT AHEAD OF 500 GAL SUPER FLUSH-K.

CEMENT - 125 SX. 50/50 POZ, 10% SALT, 2% GEL, 10# GILSONITE/SK,
.5% HALAD 322

TWO STAGE CMT - NONE

DRILLING CONTRACTOR - BRANDT RIG #2

CEMENT CONTRACTOR - HALLIBURTON

PLUG DOWN @ - 8:30 a.m. 8/7/93

NOTES - DRILLED OUT PLUG @ 40'.
DRILLED OUT PLUG FROM 490'-850'.
WASHED DOWN TO 1300'.
DRILLED CEMENT 1300'-1400'.
PUSHED PLUG AHEAD OF BIT & DRILL VERY HARD 1400'-1600'.
GOT OUT OF HOLE FROM 1600'-2300' DRILLING.
BACK IN HOLE @ 2300'.
WASHED WELL DOWN TO 5306'.
TRIP OUT OF HOLE FOR LONG TRIP.
BACK TO T.D. CIRCULATED FOR 3 HRS.
LAY PIPE DOWN.
RUN IN HOLE WITH CASING.
HAD TO CIRCULATE LAST JT. OF CASING IN HOLE.
CIRCULATED FOR 1 HR.
CEMENT AS SHOWN.

ORIGINAL

K C C

JUN 26 1996

OIL PRODUCERS INC., OF KS.

INITIAL COMPLETION

Dale A-2

WELL - ~~DALE #2 OWWO~~ (PREVIOUSLY CITIES SERV. DALE A #2)

LEGAL - 150' E OF C-SW/SW - 26-32s-18w IN COMMANCHE CO. KS.

G.L. - 2025'

K.B. - 7' ABOVE G.L.

API# - 15-033-20674 - 0001

SURFACE CSN - 13 3/8" @ 88' W/90 SX. & 8 5/8" @ 570' W/300 SX.

RTD - 5850' (OLD RTD BY CITIES SERV.)

LTD - NO OPEN HOLE LOG RAN

PROD CSN - 4 1/2", 10.5# SET @ 5255' WITH 125 SX.

TOP OF CEMENT - 4835'

PBTD - 5196' (BY ELI WIRELINE 8/11/93)

PERES - MISS. DOLOMITE-----5108'-5115' 2/FT. 8/12/93
MISS. DOLOMITE-----5119'-5122' 2/FT. 8/12/93
MISS. DOLOMITE-----5133'-5142' 2/FT. 8/12/93

COMPL. DATE - 8/93

TBG RAN - 15' M.A., S.N., 170 JTS. 2 3/8" TBG.

TBG SET - 5175.24'

AYER JT. LENGTH - 30.23'

PUMP RAN - 2" X 1 1/2" X 12' RWB WITH 6' G.A.

RODS RAN - PUMP, 206 X 3/4" USED RODS, 1 1/4" X 16' P.R.

PUMP SET @ - 5160.24'

8/11/93

ELI WIRELINE ON LOCATION TO RUN GAMMA-RAY, NEUTRON, CEMENT BOND & CORRELATION LOGS.

FOUND TOP OF CEMENT @ - 4835' WITH GOOD CEMENT BONDAGE THROUGHOUT MISS PAY INTERVALS.

FOUND PBTD @ - 5196' (THIS IS 26' HIGH TO TOP OF INSERT @ 5222')

ELI RIGGED DOWN & MOVED OFF LOCATION.

8/12/93

SWS ON LOCATION, RIGGED UP D-D DERRICK. SWABBED FRESH WATER FROM 4 1/2" CASING TO PIT, DOWN TO 4900' FROM SURFACE.

ELI WIRELINE ON LOCATION TO PERF MISSISSIPPI DOLOMITE.

PERFORATED PROPOSED INTERVALS IN MISS DOLO AS FOLLOWS:

MISS DOLO---5108'-5115' 2 SHOTS/FT. USING EXPENDABLE CSN GUN.

MISS DOLO---5119'-5122' 2 SHOTS/FT. USING EXPENDABLE CSN GUN.

MISS DOLO---5133'-5142' 2 SHOTS/FT. USING EXPENDABLE CSN GUN.

AFTER PERF. 5108'-15' HAD VERY STRONG GAS TO SURFACE IMMEDIATELY.

WAGNER TRUCKING ON LOCATION WITH TUBING.

UNLOADED 132 JTS. 2 3/8" USED TESTED, DRIFTED & STEAMED TBG (4163') FROM OIL PRODUCERS BRSTOW LEASE.

UNLOADED 39 JTS. 2 3/8" USED TESTED & DRIFTED TBG (1023') PURCHASED FROM A&W SUPPLY.

UNLOADED TBG HEAD, MUD ANCHOR & SEATING NIPPLE FROM BARSTOW LEASE.

SHUT DOWN FOR THE NIGHT.

8/13/93

SICP - 220 psi, FL. LEVEL - 3900' FROM SURFACE.

NATURAL SBHP - 841 psi.

BLEW WELL DOWN, & MADE 1 SWAB RUN TO ESTABLISH MORNING REPORT.

HALLIBURTON ON LOCATION WITH PPI TOOL. RIGGED TO RUN PPI & TBG.

WHILE RUNNING TUBING & PPI TOOL, FOUND PARRAFFIN IN TBG TOO SEVERE TO PROCEED WITH PPI JOB.

NOTE: - (DECISION MADE TO USE PPI AS PACKER & ACIDIZE LOWER MISS 5133'-42' SEPARATELY FROM UPPER ZONES)

SET PPI PACKER @ 5128'

HALLIBURTON ON LOCATION TO ACIDIZE MISS DOLO 5133'-42' WITH 750 GALS 15% DSFE & THEN ACIDIZE MISS DOLO 5108'-15' AND 5119'-22' WITH 750 GALS 15% DSFE.

ACIDIZED MISS DOLO 5133'-42' AS FOLLOWS:

PUMP 40 BBLs FIELD BRINE TO LOAD HOLE.

PUMP 1500 GALS 15% DSFE (36 BBLs)

PUMP 2 BBLs FIELD BRINE TO DISPLACE 750 GALS ACID IN ANNULUS.

SET PPI TOOL.

PRESS TO 200 psi & STARTED FEEDING.

DISPLACED ACID @ 1 1/2 BPM - 250 psi - 350 psi W/20 BBLs FIELD BRINE.

NOTE: AFTER DISPLACING 4 BBLs ACID WE EXPERIENCED COMMUNICATION ON ANNULUS LOWER MISS IS DEFINETELY COMMUNICATED WITH UPPER ZONES.

8/13 CONT.

ACID JOB AS FOLLOWS: CONT.

ISIP - VAC.

TTL LOAD - 40 BBLs.

HALLIBURTON RIGGED TO ACIDIZE MISS DOLO 5108'-15' & 5119'-22' BY DISPLACING DOWN ANNULUS. ACID IS ALREADY SPOTTED.

ACIDIZED MISS 5108'-15' & 5119'-22' AS FOLLOWS:

PRESSURED TO 100 psi. START FEEDING.

DISPLACED ACID @ 3 BPM 350 psi - 300 psi WITH 18 BBLs FIELD BRINE.

ISIP - VAC.

TTL LOAD - 72 BBLs.

TOTAL LOAD BOTH JOBS - 112 BBLs.

HALLIBURTON RIGGED DOWN & MOVED OFF LOCATION.

SWS RIGGED TO SWAB TEST MISS 5133'-42' INDIVIDUALLY VIA TBG SWAB.

SWAB TEST MISS 5133'-42' AS FOLLOWS:

FOUND FL. LEV. @ 800' FROM SURFACE.

MADE 2 RUNS W/ TBG SWAB. 2nd RUN FL. LEV. 1000' DOWN.

ANNULUS ON STRONG VAC WHILE PULLING SWAB RUN.

DECISION MADE TO PULL PPI & TBG IN ORDER TO SWAB CSN SINCE PERFS ARE COMMUNICATED ANYWAY.

POOH - WITH TBG & PPI TOOL.

RIG TO SWAB TEST ALL MISS PERES VIA 4 1/2" CASING SWAB.

SWAB TEST AS FOLLOWS:

START SWABBING @ 6:30 FLUID LEVEL @ 1200' FROM SURFACE.

7:30 - RECOVERED 60.48 BBLs NO SHOW OIL, VERY STRONG GAS.

8:30 - RECOVERED 45.36 BBLs, 14% OIL. FL. LEV. SCTR'D SWAB & FLOW TEST.

9:00 - FLOW TESTED GAS FOR 1/2 HR. @ 140 MCFPD.

SHUT DOWN FOR THE NIGHT.

8/14/93

SICP - 220 psi, **FL. LEV.** - UNKNOWN. OPEN WELL UP @ 8:30 A.M., START FLOWING. FLOWED 3.78 BBLs IN 30 MINS & DIED. START SWABBING.

9:30 - REC. - 34.02 BBLs, 26% OIL. WELL SWABBED DOWN TO PBTD 5196'

10:00 - REC. - 3.78 BBLs, 25% OIL. GAS TEST @ 132 MCFPD. 1/2 HR. SWAB RUN.

HALLIBURTON ON LOCATION TO ACIDIZE ALL MISS DOLO PEFS WITH 3000 GALS 15% DSFE & 14 BBLs 2% KCL WATER OVER-FLUSH.

ACIDIZED ALL MISS PERES AS FOLLOWS:

PUMP 3000 GALS 15% DSFE

72 BBLs

PUMP 24 BBLs 2% KCL WATER.

DISPLACED 38 BBLs ACID (1600 GALS) 5 BPM - VAC.

DISPLACED 36 BBLs ACID (1400 GALS) 5 BPM - 100 psi - 50 psi.

OVER-FLUSHED ACID BY 14 BBLs.

TOTAL LOAD - 170 BBLs

ISIP - VAC.

HALLIBURTON RIGGED DOWN & MOVED OFF LOCATION.

8/14 CONT.

SWS RIGGED TO SWAB TEST AFTER ACID VIA 4 1/2" CASING SWAB.

SWAB TEST AS FOLLOWS:

FOUND FL. LEV. @ 700' FROM SURFACE.

1:00 - RECOVERED 77.24 BBLS, SHOW OF GAS.

2:00 - RECOVERED 51.03 BBLS, SHOW OF OIL. WELL STARTED FLOWING.

3:00 - RECOVERED 20.79 BBLS, SHOW OF OIL. GAS TEST @ 132 MCFPD. FLOWING.

3:00 - 3:45 GAS TEST @ 132 MCFPD & DRAIN TANK.

4:15 - SWAB WELL TO T.D. RECOVERED 20.79 BBLS 34% OIL.

4:45 - 1-1/2 HR. RUN. REC. - 7.56 BBLS, 27% OIL. 158 MCFPD. 1 RUN FROM T.D.

5:15 - 1-1/2 HR. RUN. REC. - 5.67 BBLS, 25% OIL. 158 MCFPD. 1 RUN FROM T.D.

5:45 - 1-1/2 HR. RUN. REC. - 5.67 BBLS, 25% OIL. 158 MCFPD. 1 RUN FROM T.D.

TOTAL RECOVERY @ THIS POINT 188.75 BBLS OF 170 BBL ACID JOB.
SHUT DOWN FOR THE NIGHT.

8/15/93

SICP - 20 psi, **FLUID LEVEL** - 1500' FROM SURFACE.

FREE OIL - 1300'. **FILL-UP OIL%** - 36%.

SBHP - CALCULATES 1608 psi

MADE 2 SWAB RUNS TO DETERMINE MORNING REPORT.

RIGGED UP TO RUN TUBING.

RAN TUBING AS FOLLOWS:

MUD ANCHOR X 2 3/8"-----	15.00'
SEATING NIPPLE X 2 3/8"-----	1.10'
170 JTS. 2 3/8" USED TESTED TUBING-----	5155.14'
K.B. (7' LESS 3' ABOVE G.L.)-----	4.00'
<u>TUBING SET @</u> -----	5175.24'
SEATING NIPPLE SET @-----	5160.24'

PACKED TBG OFF, TUBING IS SET APPROX. 20' OFF BOTTOM.

BULLSEYE ROUSTABOUTS ON LOCATION WITH RODS. UNLOADED 166-3/4" RODS FROM BARSTOW LEASE, & 40-3/4" RODS FROM LAMB LEASE. UNLOADED PUMP & POLISHED ROD FROM BARSTOW ALSO. RIGGED TO RUN RODS.

RAN PUMP & RODS AS FOLLOWS:

2" X 1 1/2" X 12' RWB WITH 6' GAS ANCHOR-----	14.00'
206 - 3/4" USED RODS-----	5150.00'
1 1/4" X 16' POLISHED ROD-----	16.00'
<u>PUMP SET @</u> -----	5160.24'

LONG STROKED WELL. HAD GOOD BLOW.

CLAMPED RODS OFF.

SWS RIGGED DOWN & MOVED OFF LOCATION.

AWAITING GAS HOOK UP & SURFACE EQUIPMENT.

8/26/93

DAKOTA DIRT ON LOCATION, BUILT PUMPING UNIT PAD TO NORTH OF WELL. BUILT TANK BATTERY GRADE & DITCH CROSSING TO SOUTH OF WELL @ ROAD. LEVELED LOCATION & FILLED PITS. HELPED WITH FENCING.

8/26 CONT.

TOTAL LEASE SERVICE ON LOCATION WITH CABOT 114 PUMPING UNIT & FAIRBANKS MORSE 346 ENGINE FROM BARSTOW LEASE.

SET CABOT-114 SERIAL # DC18634B, TYPE - 18 DC, RATING 103415 IN. LBS. WITH 346 F&M ENGINE.

TOTAL ALSO SET NATIONAL VERTICAL SEPARATOR 2' X 11', 480# WORKING PRESSURE, SERIAL # 41772, TEST PRESSURE 720#. FROM EWERTZ LEASE.

FRITZLER TRUCKING ON LOCATION WITH TANK BATTERY FROM BANNISTER LEASE.

SET TANK BATTERY AS FOLLOWS:

10' X 15' STEEL GUN BBL.

2 - 10' X 12' 200 BBL STEEL STOCK TANKS.

10' X 12' FIBERGLASS WATER TANK.

FRITZLER DITCHED & LAYED APPROX 600' OF 2 3/8" TUBING FOR GAS LINE FROM CASING TO VERTICAL SEPARATOR.

FRITZLER DITCHED & LAYED APPROX 600' OF 2" SCH-160 PVC FROM TUBING TO GUN BBL FOR FLUID LEAD LINE.

SIROKY WELL SERVICE ON LOCATION WITH FITTINGS & LINE & ASSISTED WITH ROUSTABOUT LABOR.

~~CLARE~~ ON LOCATION & SANDED IN UNIT AND TANK BATTERY GRADES.

ALSO ASSISTED IN ROUSTABOUT LABOR AND FENCING.

SET CATTLE GUARD @ BATTERY FOR LEASE ACCESS PER MR. DALE REQUEST.

SICP - 880 psi.

PUT WELL IN SERVICE @ 9 SPM X 48" STROKE. VENTING GAS @ 100 psi.

PUMP CAPACITY @ 100% EFFICIENCY = 115 BTFPD.

PUMP CAPACITY @ 80% EFFICIENCY = 92 BTFPD.

8/27/93

KANSAS GAS SUPPLY ON LOCATION & BUILT METER RUN & LAYED GAS LINE. HOOKED UP GAS TO METER RUN.

END OF REPORT



BRAD SIROKY