

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

ORIGINAL

API NO. 15- 023-20-313 - 00-00

County Cheyenne

SW - NE - NE - Sec. 33 Twp. 3S Rge. 42 X ^E _W

Operator: License # 31219

4180 Feet from (S)N (circle one) Line of Section

Name: Prime Operating Company

1150 Feet from (E)W (circle one) Line of Section

Address 2900 Wilcrest Drive

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Suite 475

City/State/Zip Houston, Texas 77042

Lease Name Schlepp 538 Well # 33-1-1

Purchaser: Cibola

Field Name Wildcat

Operator Contact Person: H.G. Livingston

Producing Formation Niobrara

Phone (713) 735-0000

Elevation: Ground 3706' KB _____

Contractor: Name: Excell Drilling

Total Depth 1700' PBTD 1604'

License: 08273

Amount of Surface Pipe Set and Cemented at 310 Feet

Wellsite Geologist: None

Multiple Stage Cementing Collar Used? _____ Yes X No

Designate Type of Completion
X New Well _____ Re-Entry _____ Workover

If yes, show depth set _____ NA _____ Feet

_____ Oil _____ SWD _____ SIOW _____ Temp. Abd.

If Alternate II completion, cement circulated from NA

X Gas _____ ENHR _____ SIGW _____

feet depth to NA w/ NA sx cmt.

_____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

Drilling Fluid Management Plan ALT 1 JH 6-28-94
(Data must be collected from the Reserve Pit)

If Workover/Re-Entry: old well info as follows:

Operator: NA

Chloride content 2,000ppm Fluid volume 900bbls.
14,000 ppm 200 bbls

Well Name: _____

Dewatering method used Evaporation

Comp. Date _____ Old Total Depth _____

Location of fluid disposal if hauled offsite:

_____ Deepening _____ Re-perf. _____ Conv. to Inj/SWD

_____ Plug Back _____ PBTD

_____ Commingled _____ Docket No. _____

_____ Dual Completion _____ Docket No. _____

_____ Other (SWD or Inj?) _____ Docket No. _____

Operator Name NA

Lease Name _____

Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

8/17/91 8/18/91 8/18/93

Spud Date Date Reached TD Completion Date

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature KG Livingston
Title District Manager Date 3/9/94

Subscribed and sworn to before me this 9th day of MARCH, 1994.

Notary Public Glinda A. Berg
Date Commission Expires _____
GLINDA A. BERG
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
DEC. 10, 1996

K.C.C. OFFICE USE ONLY
F _____ Letter of Confidentiality Attached
C ✓ Wireline Log Received
C _____ Geologist Report Received
Distribution
✓ KCC _____ SWD/Rep _____ NGPA
_____ KGS _____ Plug _____ Other (Specify)

Operator Name Prime Operating Company Lease Name Schlepp 538 Well # 33-1-1

Sec. 33 Twp. 3S Rge. 42
 East
 West

County Cheyenne

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No
 Electric Log Run Yes No
 (Submit Copy.)

Log Formation (Top), Depth and Datum Sample

Name Top Datum
 Niobrara 1485' 1520'
 (Beecher Island Zone)

List All E.Logs Run: **COMPENSATED DENSITY
 DUAL INDUCTION**

| CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs./Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Surface | 8 1/4" | 7" | 20# | 310' | Class "C" | 67 | 2%CaCl 2 |
| Production | 6 1/2" | 4 1/2" | 10.5# | 1634' | Premium | 70 | 2%CaCl 2 |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | |
|---|------------------|----------------|-------------|----------------------------|
| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | | | | |
| <input type="checkbox"/> Plug Back TD | NA | | | |
| <input type="checkbox"/> Plug Off Zone | | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth |
|----------------|--|--|-----------|
| 2 SPF | 1490' - 1516' (52 holes) | 20,000 gals. 70Q foam with | 1490-1516 |
| | | 68,000# 12/20 Sand | |

TUBING RECORD Size Set At Packer At Liner Run Yes No
 NA

Date of First, Resumed Production, SWD or Inj. 10/2/93 Producing Method Flowing Pumping Gas Lift Other (Explain)

| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| | | 208 | -0- | | |

Disposition of Gas:
 Vented Sold Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval 1490' - 1516'

ORIGINAL

HILLIN-SIMON OIL COMPANY
DRILLING PROGRAM

API # 15-023-20313

ENGINEER W. K. FINKBEINER DATE 08-26-91

WELL SCHLEPP 538 33-1-1 EST. TD 1750'

TYPE COMPLETION GAS DRILLING SUPT. BILLY RICHEY

DRILLING CONTRACTOR CRANDALL

A. LOCATION 4180' FSL & 1150' FEL
SECTION 33 T3S R42W
CHEYENNE COUNTY, KANSAS

B. GENERAL TOP OF NIOBRARA - 1520'

C. CASING PROGRAM

| DEPTH (FT) | HOLE SIZE (IN) | CASING SIZE (IN) | TYPE | COMMENTS |
|------------|----------------|------------------|------------|--|
| 310 | 8 3/4 | 7 | SURFACE | STATE REGULATORY AGENCY REQUIRES 310' OF SURFACE CSG. DRILL THRU BRN CLAY & APPROX 50' INTO BLUE SHALE. |
| 1700 | 6 1/4 | 4 1/2 | PRODUCTION | |

D. MUD PROGRAM

| DEPTH INTERVAL (FT) | TYPE | WEIGHT (PPG) | FUNNEL VISC (SEC/QT) | WL (CC) | PH |
|---------------------|-------------|--|--------------------------------|-------------|-----|
| 0-310 | SPUD MUD | FRESH WTR | GEL, (USE BENTONITE FOR VIS.) | 10 - 12 SKS | |
| 310-1350 | FRESH WTR | ADD MURIATE OF POTASH TO OBTAIN 2 1/2-3% KCL CONC. DRILL OUT OF LARGE WORKING PIT. | | | |
| 1350-TD | KCL POLYMER | 9.0 | 40-45 | 4-5 | 8.5 |

AT 1350' SHUT DOWN & CIRC MUD SYSTEM FOR 4-5 HRS TO OBTAIN ABOVE PROPERTIES USING 1 LB PER BBL OF NALCO ASP-700 POLYMER, 20 SKS. SALT GEL, 3 SKS. DRISPAC, 5 SKS STARCH & MURIATE OF POTASH AS ABOVE.

ORIGINAL

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E. CEMENTING PROGRAM

| <u>CASING</u> | <u>CEMENT SLURRY DESIGN & EQUIPMENT SPECIFICATIONS</u> |
|---------------|--|
| <u>7"</u> | <u>CMT. W/APPROX. 40 SKS. STANDARD CEMENT (SUFFICIENT TO CIRC. TO SURFACE). RUN TEXAS PATTERN SHOE OR EQUIVALENT ON BOTTOM. CONTRACTOR TO SUPPLY CMT, CSG & SHOE UNDER TURNKEY CONTRACT.</u> |
| <u>4 1/2"</u> | <u>CMT W/APPROX 75 SKS PREMIUM CMT (SUFFICIENT TO PLACE CMT 500' ABOVE TOP OF NIOBRARA UTILIZING 20% EXCESS) CONTAINING CALCIUM CHLORIDE & FLUID LOSS ADDITIVE UTILIZE CALIPER TO DETERMINE EXACT VOLUME. RECIPRO-CATE CSG WHILE CMT. RUN FLOAT SHOE & SHOE JT, LATCH DOWN BAFFEL (FOR LATCH-IN PLUG) & 6 CENTRALIZERS. WOC 48 HRS BEFORE PERFORATING.</u> |

F. DEVIATION LIMITS

1 DEG. PER 300' TO A MAXIMUM OF 3 DEG. AT TOTAL DEPTH.

G. WELL CONTROL

BOP EQUIPMENT WILL BE INSTALLED AS FOLLOWS:

| <u>DEPTH INTERVAL</u> | <u>COMMENT</u> |
|-----------------------|---|
| <u>310'</u> | <u>INSTALL 8" ANNULAR PREVENTER (HYDRILL)</u> |

H. FORMATION EVALUATION

1. SAMPLE PROGRAM CATCH 10' SAMPLES FROM 1200' TO TD.

| <u>2. SURVEYS - DEPTH INTERVAL</u> | <u>TYPE SURVEY(S)</u> |
|------------------------------------|---|
| <u>310'-TD</u> | <u>DIL/SFL W/GR (MINIMUM LOGGING CHARGE)</u> |
| <u>SURFACE - TD</u> | <u>CNL/FDC W/GR & INTEGRATED CALIPER (MINIMUM LOGGING CHARGE)</u> |

ORIGINAL

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I. AUXILIARY SURFACE EQUIPMENT

| <u> </u> | <u>TYPE EQUIPMENT</u> | <u>DEPTH INSTALLED</u> | <u>COMMENT</u> |
|---------------|------------------------------|----------------------------|--|
| <u>X</u> | <u>DRLG RECORDER (3 PEN)</u> | <u>SURFACE</u> | <u>RECORD WEIGHT, ROP, PUMP PRESSURE</u> |

J. CASING & TUBING

| <u>TYPE</u> | <u>INTERVAL</u> | <u>SECT. LENGTH (FT)</u> | <u>SIZE (IN)</u> | <u>WT./GR./ CPLG.</u> |
|-------------|-----------------|----------------------------------|----------------------|------------------------|
| <u>SURF</u> | <u>0 - 310'</u> | <u>310</u> | <u>7</u> | <u>20/J/LT&C</u> |
| <u>PROD</u> | <u>0-1700'</u> | <u>1700</u> | <u>4 1/2</u> | <u>10.5/J/ST&C</u> |
| <u>TBG.</u> | <u>0-1500'</u> | <u>1500</u> | <u>2 3/8</u> | <u>4.7/J/EUE</u> |

K. WELLHEAD EQUIPMENT

- 1) SURFACE CASING: 7"x4 1/2" 1000 PSI W.P.
- 2) PRODUCTION CASING: 4 1/2"x2 3/8" 3000 PSI W.P.

L. GENERAL COMPLETION PROCEDURE

- 1) MIRU PU. NU BOP.
- 2) RU WIRELINE. RIH AND LOG GRN/CBL/CCL FROM PBTD TO TOC.
- 3) RU & SWAB CSG DOWN TO 1000'.
- 4) RIH W/ 3 1/8" CSG GUN AND PERFORATE NIOBRARA W/ 2 JSPF, 180 DEG. PHASING. POOH AND RD WIRELINE
- 5) ND BOP. RU AND FRAC PER RECOMMENDATION. ANTICIPATED TREATMENT IS DOWN CSG. ANTICIPATED VOLUMES ARE 55,000 GALS OF GELLED, CROSSLINKED WATER W/ 60 TONS CO2 AND 95,000 LBS OF 10/20 AND 20/40 SAND.
- 6) SWAB AND FLOW FRAC LOAD BACK TO CLEAN-UP AND TEST.
- 7) CONDUCT MULTIPOINT BACK-PRESSURE FLOW TEST PER RULES AND REGULATIONS OF STATE REGULATORY AGENCY. CONDUCT ADDITIONAL TESTS AS NECESSARY TO ESTIMATE GAS-IN-PLACE RESERVES.

ORIGINAL

WELL NAME: SCHLEPP 538 33-1-1 OBJECTIVE: NIOBRARA
 LOCATION: 4180 FSL & 1150 FEL PROJECTED TD: 1750'
 SEC 33, T3S, R42W ELEVATION: 3706' GR
 CHEYENNE COUNTY, KS FIELD: WILDCAT
 OPERATOR: HSOC CONTRACTOR: CRANDALL
 API#15-023-20313

08-18-91 DEPTH: 316'
 Day 1 ACTIVITY: Cementing surface pipe
 FORMATION: Shale
 FOOTAGE: 316' in 4 1/2 hrs., Avg 70'/ft

06:00 am - 04:30 pm MIRU.
 04:40 pm - 06:00 pm SPUD 8 3/4" SURFACE HOLE, 08-17-91
 06:00 pm - 06:30 pm Repair mud pump
 06:30 pm - 09:30 pm Finish drilling surface hole to 316'.
 09:30 pm - 10:30 pm Circulate to condition hole for csg.
 10:30 pm - 11:30 pm POOH w/drill string
 11:30 pm - 01:00 am RU to run surface pipe.
 01:00 am - 04:00 am Ran 15 jts 7" 20 # ST & C csg. Total csg
 length = 303.40'. Landed @ 309.90'.
 04:00 am - 06:00 am Circulating. WOC to rig.

08-19-91 DEPTH: 1700' TD
 DAY 2 ACTIVITY: Circulate for logs
 FORMATION: Shale
 FOOTAGE: 1384' in 10 hrs., Avg 138.4'/hr

06:00 am - 07:00 am Circ - WOC.
 07:00 am - 07:30 am Cmt surface pipe w/67 sx cmt. Circ cmt to
 surface.
 07:30 am - 05:00 pm WOC
 05:00 pm - 05:30 pm TIH w/drill string
 05:30 pm - 11:00 pm Drill out from underneath surface. Drilling
 ahead.
 11:00 pm - 12:00 am Shut down for repairs
 12:00 am - 02:00 am Drilling ahead to 1413'
 02:00 am - 03:00 am Mix mud
 03:00 am - 05:30 am Drill ahead to TD @ 1700'.
 05:30 am - 06:00 am Circ for logs

08-20-91 DEPTH: 1700'
 DAY 3 ACTIVITY: RDMO DRLG RIG

06:00 am - 06:30 am Circ - prep to log
 06:30 am - 08:45 am TOH for logs
 08:45 am - 12:00 pm MIRU BPB Wireline. Ran DIL/CNL/CDL/CSL
 12:00 pm - 01:00 pm RDMO BPB Wireline
 01:00 pm - 03:00 pm LD DP & DC's
 03:00 pm - 06:00 pm Ran 41 jts 4 1/2" 10.5# ST & C J-55 8rd
 csg (used). Total csg length + 1629.89'.
 Landed @ 1634.89'. Ran Halliburton Super
 seal II Float shoe - latch down baffle & 6
 centralizers, shoe jt = 29.30' PBTD =
 1604'.
 06:00 pm - 07:30 pm MIRU Halco to cmt. Pumped 20 bbls clayfix
 12 bbls mud flush & cmt'd w/70 sx premium
 cmt + 2% CaCl2 + .2% Halad 344 - mixed cmt
 to 15.8 ppg slurry. Displaced w/25.5 bbls
 clay fix. Bumped plug @ 7:00 pm w/1750#
 released pressure, float held ok. RDMO
 Halco. Released rig.

08-21-91 Waiting on completion.....

Lease & Well No.: Schapp 538 # 33-1-1 Date: 8-20-91
 Location: Sec 33 Twp 35 Rge 42W
 County: Cheyenne State: KS
 Contractor: Crandall Drlg Co
 Spud Date: 8-17-91 Elev. 3705'

Depth: 1700' Activity: RD + MO Drlg Rig
 Formation: _____ Number of Day: 3
 Footage: _____ Feet-In _____ Hours: _____
 Bit No.: _____ MGF: _____ Type: _____ Size: _____
 S.N.: _____ Jets _____ In @ _____ Out @ _____
 Made: _____ Feet in _____ Hours. Condition: T _____ B _____ G _____
 Bit No.: _____ MGF _____ Type _____ Size _____
 S.N.: _____ Jets _____ In @ _____ Out @ _____
 Made: _____ Feet in _____ Hours. Condition: T _____ B _____ G _____

Hydraulics: Pump No.: _____ Type: _____
 Liner Size _____ SPM _____ Press _____ GPM _____ Ann. Vel. _____
 WOB _____ RPM _____

Mud Properties
 Wt. _____ Vis _____ Ph _____ Cl _____ PV/YP _____ W.L. _____ % Oil _____
 Slope Survey
 _____ ° @ _____ ft _____ ° @ _____ ft _____ ° @ _____ ft _____ ° @ _____ ft

Water _____
 Mud Mixed
 Type _____ Skis _____ Type _____ Skis _____ Type _____ Skis _____
 Type _____ Skis _____ Type _____ Skis _____ Type _____ Skis _____
 Type _____ Skis _____ Type _____ Skis _____ Type _____ Skis _____
 Type _____ Skis _____ Type _____ Skis _____ Type _____ Skis _____

Time _____ Operations and Remarks _____ Daily Well Cost _____

RECEIVED
 KANSAS CORPORATION COMMISSION
 CONSERVATION DIVISION
 WICHITA, KS

MAR 11 1994

| From | To | Operations and Remarks | Daily Well Cost |
|--------|--------|--|-----------------|
| 6:00a | 6:30a | Circulating - preparing to log | |
| 6:30a | 8:45a | TOH for logs | |
| 8:45a | 12:00p | M1 + RU BPB Wireline - Ran DIL, CML, CDL, CSC | |
| 12:00p | 1:00p | RD + MO BPB Wireline | |
| 1:00 | 3:00p | LD DP + DC'S | |
| 3:00 | 3:10 | RU to run casing | |
| 3:10p | 6:00p | Ran 41 JTS 4 1/2" 10.5# CSG (used) Total CSG length = 1627.89' Landed @ 1634.89' - Ran Halliburton Superseal II Float shoe - latch down battie + 6 centralizers, Shoe JT = 29.30' PBD = 1604' | STDC J-55 8'00 |
| 6:00pm | 7:30 | M1 + RU HALCO to cement, pumped mud flush + cement w/ 70 5x premium cement + 2% CaCl2 + .2% Halad 344 - mixed cement to 15.8 ppg slurry - displaced w/ 25.5 BBLs clay fix - pumped plus @ 7:00 p.m. w/ 1750 lbs Released pressure, front hold dr. - RD + MO HALCO - Released | |

Prof. Cost: 7" @ 307.90'

 DMC _____
 CMC _____

ORIGINAL

Lease & Well No.: Schlepp 538 # 33-1-1 Date: 8-19-91
 Location: Sec 33 Twp 3S Rge 42W
 County: Cheyenne State: KS
 Contractor: Grandall Dily. Co
 Spud Date: 8-17-91 Elev 3705'

Depth: 1700' Activity: Circulating for logs
 Formation: Shale Number of Day: 2
 Footage: 1384' Feet-In 10 hrs. Hours: Avg of 138.4' per hr.
 Bit No.: _____ MGF: _____ Type: _____ Size: _____
 S.N. _____ Jets _____ In @ _____ Out @ _____
 Made: _____ Feet in _____ Hours. Condition: T _____ B _____ G _____
 Bit No. _____ MGF _____ Type _____ Size _____
 S.N. _____ Jets _____ In @ _____ Out @ _____
 Made: _____ Feet in _____ Hours. Condition: T _____ B _____ G _____

Hydraulics: Pump No.: _____ Type: _____
 Liner Size _____ SPM _____ Press _____ GPM _____ Ann. Vel. _____
 WOB _____ RPM _____

Mud Properties

Wt. _____ Vls _____ Ph _____ Cl _____ PV/YP _____ W.L. _____ % Oil _____

Slope Survey

_____ ° @ _____ ft _____ ° @ ft _____ ° @ ft _____ ° @ ft

Water

Mud Mixed

| | | | | |
|------------|-----------|------------|-----------|---|
| Type _____ | Sks _____ | Type _____ | Sks _____ | <p>RECEIVED KANSAS CORPORATION COMMISSION Type _____ Sks _____ Type <u>MAR 1</u> 1994 Sks _____ Type _____ Sks _____</p> |
| Type _____ | Sks _____ | Type _____ | Sks _____ | |
| Type _____ | Sks _____ | Type _____ | Sks _____ | |
| Type _____ | Sks _____ | Type _____ | Sks _____ | |

CONSERVATION DIVISION
 WICHITA, KS

Time

Operations and Remarks

Daily Well Cost

| From | To | Operations and Remarks | Daily Well Cost |
|--------|--------|--|-----------------|
| 6:00A | 7:00A | Circulating - waiting on cement. | |
| 7:00 | 7:30A | cemented surface pipe w/67 | |
| | | 5x cement - circulated cement to surface. | |
| 7:30A | 5:00p | WOC | |
| 5:00 p | 5:30 p | TIH w/drill string | |
| 5:30p | 11:00p | drilled out from underneath surface - drilling ahead | |
| 11:00p | 12:00A | Shut down for repairs | |
| 12:00A | 2:00A | Drilling Ahead to 1413' | |
| 2:00 A | 3:00 A | Mixed mud | |
| 3:00 A | 5:30 | Drilled ahead to T.D. @ 1700' | |
| 5:30A | 6:00A | Circulating For logs | |
| | | | |
| | | | |
| | | | |
| | | | |

Surf. Csg. 7" @ 309.90'
 Inter. Csg. _____ @ _____

DMC _____
 CMC _____