

ORIGINAL

STATE CORPORATION COMMISSION

CONFIDENTIAL RELEASED

MAR 1 1991

FEB 06 1992

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

CONSERVATION DIVISION
Wichita, Kansas

023-20,290-0000 2-6-92

FROM CONFIDENTIAL

County CHEYENNE
NW NW SE Sec. 17 Twp. 2S Rge. 41 XX East West

2310 Ft. North from Southeast Corner of Section
2310 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

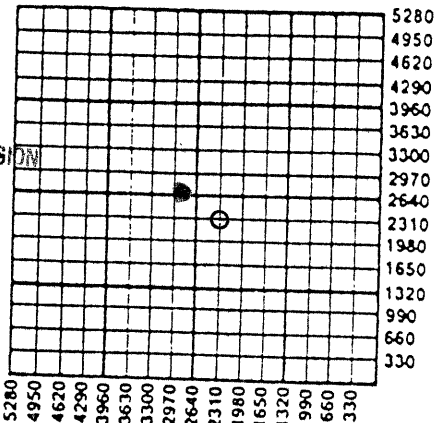
Lease Name Viola 505 Well # 17-10-1

Field Name Wildcat

Producing Formation Niobrara

Elevation: Ground 3598' KB 3603'

Total Depth 1748' PBDT 1645'



Amount of Surface Pipe Set and Cemented at 261' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set N/A Feet

If Alternate II completion, cement circulated from N/A

feet depth to N/A WI N/A sx cmt.

Operator: License # 30201

Name: HILLIN-SIMON OIL COMPANY

Address P. O. Box 1552

City/State/Zip Midland, TX 79702

Purchaser: _____

Operator Contact Person: Stan Venable

Phone (915) 682-2202

Contractor: Name: Crandall Drilling, Inc.

License: 30480

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Ab.

Gas SI Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

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If OAWO: old well info as follows:
Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

11-14-90 11-15-90 12-19-90
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

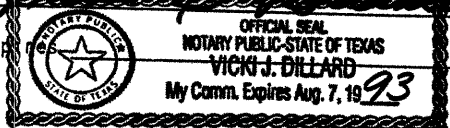
Signature Stan Venable Stan Venable

Title Staff Operations Engineer Date 01-17-91

Subscribed and sworn to before me this 19 day of February, 19 91.

Notary Public Vicki J. Dillard

Date Commission Expires _____



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

P1

CONFIDENTIAL

SIDE TWO

Operator Name Hillin-Simon Oil Company

Lease Name Viola 505

Well # 17-10-1

Sec. 17 Twp. 2S Rge. 41

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.)

Formation Description
 Log Sample
Name Top Bottom
Niobrara 1503' 1538'
(Beecher Island Zone)

CASING RECORD

New 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 3/4" | 7" | 17 | 261' | Portland | 35 | None |
| Production | 6 1/4" | 4 1/2" | 10.5 | 1695' | API Class "A" | 70 | 2% CaCl2 & 2% Halad 344 |

PERFORATION RECORD

Shots Per Foot | Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) | Depth

| | | | |
|---|------------|--|--|
| 2 | 1504-1536' | 32,000 gal 25# gelled water & 94,000 lb sand & 60 tons CO2 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TUBING RECORD
N/A

Size Set At Packer At

Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas:

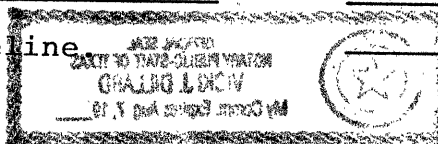
METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perforation Dually Completed Commingled
 Other (Specify)

Well is presently SI, waiting on pipeline.



ORIGINAL # 1992785712
ATTACH TO INVOICE & TICKET NO.

DISTRICT Bo. 4200

FROM CONFIDENTIAL 11-16-90

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Hillman Service Oil Co (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

CONFIDENTIAL

WELL NO. 17-10-1 LEASE Vick 505 SEC. 17 TWP. 25 RANGE 41W
FIELD _____ COUNTY Cherokee STATE KS OWNED BY Same

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME _____ TYPE _____
FORMATION THICKNESS _____ FROM _____ TO _____
PACKER: TYPE _____ SET AT _____
TOTAL DEPTH _____ MUD WEIGHT _____
BORE HOLE _____
INITIAL PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF
PRESENT PROD: OIL _____ BPD, H₂O _____ BPD, GAS _____ MCF

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAX. ALLOW. P.S.I. |
|--------------|----------|-------------|--------------|-----------|-------------|--------------------|
| CASING | <u>u</u> | <u>10.5</u> | <u>4 1/2</u> | <u>KE</u> | <u>1090</u> | <u>1500</u> |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | <u>6 1/2</u> | <u>KS</u> | <u>1746</u> | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
Cement to Prod. (eg. w/ 70 sk firmen cont.)

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

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CONSERVATION DIVISION
Wichita, Kansas

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest legal interest rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney's fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.
- The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them
- That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.
SIGNED [Signature] CUSTOMER
DATE 11-16-90
TIME 1100 A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER

JOB LOG

WELL NO. 17-10-1 LEASE Viola 505 TICKET NO. 988742

CUSTOMER Hillman Simon Oil Co PAGE NO. 1

JOB TYPE 4th Prod. Co. DATE ORIGINAL 10-90

FORM 2013 R-2

| CHART NO. | TIME | RATE (BPM) | VOLUME (BBL) (GAL) | PUMPS | | PRESSURE (PSI) | | DESCRIPTION OF OPERATION AND MATERIALS |
|-----------|------|------------|--------------------|-------|---|----------------|--------|---|
| | | | | T | C | TUBING | CASING | |
| | 0300 | | | | | | | Called Out On Location CONFIDENTIAL |
| | 0830 | | | | | | | |
| | 1100 | | | | | | | Safety Meeting |
| | 1303 | 6 | 32 | | | | 400 | Water Ahead |
| | 1324 | 1.5 | 14 | | | | 50 | Mix Cement |
| | 1336 | | | | | | | Flush Lines |
| | 1342 | | | | | | | Release Top Plug |
| | 1343 | 3 | 27 | | | | 100 | Start Displace |
| | 1352 | | | | | | 400 | Plug Down |
| | 1352 | | | | | | 1500 | Pressure Up |
| | 1355 | | | | | | | Release Pressure Float Held |
| | 1400 | | | | | | | Trucks Released |

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CONSERVATION DIVISION
Wichita, Kansas

Thanks
John, Rick & Don



HALLIBURTON SERVICES

JOB SUMMARY

HALLIBURTON DIVISION
HALLIBURTON LOCATION

Division
Sterling

REL. TICKET NO. 28942

ORIGINAL

WELL DATA

FIELD _____ SEC. 17 TWP. 2S RNG. 41W COUNTY Cherokee STATE OK

FORMATION NAME _____ TYPE _____

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

| | NEW USED | WEIGHT | SIZE | FROM | TO | MAXIMUM PSI ALLOWABLE |
|--------------|----------|-------------|--------------|-------------|---------------------|-----------------------|
| CASING | <u>U</u> | <u>10.5</u> | <u>4 1/2</u> | <u>OPEN</u> | <u>CONFIDENTIAL</u> | |
| LINER | | | | | | |
| TUBING | | | | | | |
| OPEN HOLE | | | <u>6 7/8</u> | <u>K3</u> | <u>1746</u> | SHOTS/FT. |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |
| PERFORATIONS | | | | | | |

JOB DATA

| CALLED OUT | ON LOCATION | JOB STARTED | JOB COMPLETED |
|--|--|--|--|
| DATE <u>11-16-90</u> TIME <u>0300</u> | DATE <u>11-16-90</u> TIME <u>0830</u> | DATE <u>11-16-90</u> TIME <u>1305</u> | DATE <u>11-16-90</u> TIME <u>1400</u> |

PERSONNEL AND SERVICE UNITS

| NAME | UNIT NO. & TYPE | LOCATION |
|-----------------------------------|------------------------------|-----------------|
| <u>R. Knudson</u> <u>DBB79</u> | <u>4867</u> <u>Unit 7</u> | <u>Sterling</u> |
| <u>T. Webb</u> <u>80453</u> | <u>39876</u> <u>PLU</u> | <u>"</u> |
| <u>D. Silver</u> <u>84575</u> | <u>7330</u> <u>Bulk</u> | <u>Brighton</u> |

TOOLS AND ACCESSORIES

| TYPE AND SIZE | QTY. | MAKE |
|------------------------------------|----------|--------------|
| FLOAT COLLAR | | |
| FLOAT SHOE <u>Paper Seal II</u> | <u>1</u> | <u>Hawco</u> |
| GUIDE SHOE | | |
| CENTRALIZERS <u>S-V</u> | <u>6</u> | |
| BOTTOM PLUG <u>Latex Down Ball</u> | <u>1</u> | |
| TOP PLUG <u>Latex Down Plug</u> | <u>1</u> | |
| HEAD <u>Plug Container</u> | <u>1</u> | |
| PACKER | | |
| OTHER | | |

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB./GAL.-API

DISPL. FLUID _____ DENSITY _____ LB./GAL.-API

PROP. TYPE _____ SIZE _____ LB.

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

ACID TYPE _____ GAL. _____ %

SURFACTANT TYPE _____ GAL. _____ IN

NE AGENT TYPE _____ GAL. _____ IN

FLUID LOSS ADD. TYPE _____ GAL.-LB. _____ IN

GELLING AGENT TYPE _____ GAL.-LB. _____ IN

FRIC. RED. AGENT TYPE _____ GAL.-LB. _____ IN

BREAKER TYPE _____ GAL.-LB. _____ IN

BLOCKING AGENT TYPE _____ GAL.-LB. _____ IN

PERFPAC BALLS TYPE _____ QTY. _____

OTHER 500 gal. 40/70 Mesh 1-1/2" Ch. II

OTHER _____

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DEPARTMENT Cement STATE CORPORATION COMMISSION

DESCRIPTION OF JOB Cement 4% Prod. Log.

FEB 4 1991

CONSERVATION DIVISION

JOB DONE THRU: TUBING CASING ANNULUS ANN.

CUSTOMER REPRESENTATIVE X Rodney R. Crowell

HALLIBURTON OPERATOR John W. Hill Jr. COPIES REQUESTED 1

CEMENT DATA

| STAGE | NUMBER OF SACKS | CEMENT | BRAND | BULK SACKED | ADDITIVES | YIELD CU.FT./SK. | MIXED LBS./GAL. |
|----------|-----------------|----------------|-------|-------------|---|------------------|-----------------|
| <u>1</u> | <u>70</u> | <u>Premium</u> | | <u>OK</u> | <u>2% CaCl₂ 12% H₂O 514</u> | <u>1.15</u> | <u>15.8</u> |

PRESSURES IN PSI

CIRCULATING 400 DISPLACEMENT 400

BREAKDOWN _____ MAXIMUM 1500

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM

TREATING _____ DISPL. _____ OVERALL _____

CEMENT LEFT IN PIPE 41

REASON STJ

SUMMARY

VOLUMES

PRESLUSH: BBL.-GAL. 20-12 TYPE H₂O

LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____

TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. 27

CEMENT SLURRY: BBL.-GAL. 14

TOTAL VOLUME: BBL.-GAL. 73

REMARKS

See Job Log

CUSTOMER: Atkins - Simon D.L.G.
LEASE: Vicki Sae
WELL NO.: 17-10-1
JOB TYPE: 4% Prod. Log.
DATE: 11-16-90