

SIDE ONE

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

Operator: License # 3688
4-D Petroleum Consultants, Inc.
 Name: _____
 Address 515 Watson

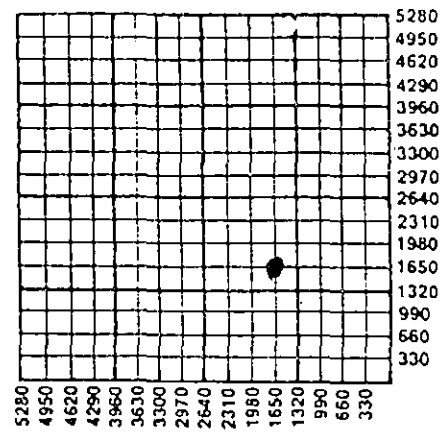
 City/State/Zip Pratt, Ks. 67124
 Purchaser: _____
 Operator Contact Person: Richard G. Armer
 Phone (316) 672-3157
 Contractor: Name: Woodman-Iannitti
 License: 5122
 Wellsite Geologist: Gordon W. Keep

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
 Operator: _____
 Well Name: _____
 Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
2/10/90 2/20/90
 Spud Date Date Reached TD Completion Date

API NO. 15- 151-21,981 - 00 - 00
 County PRATT
SE NW SE Sec. 27 Twp. 29 Rge. 13 East
 1557 _____ Ft. North from Southeast Corner of Section
 1645 _____ Ft. West from Southeast Corner of Section
 (NOTE: Locate well in section plat below.)
 Lease Name Mason Well # 3
 Field Name Sawyer
 Producing Formation _____
 Elevation: Ground 1850 KB 1855
 Total Depth 4730' PBTD _____



Amount of Surface Pipe Set and Cemented at 279' Feet
 Multiple Stage Cementing Collar Used? _____ Yes No
 If yes, show depth set _____ Feet
 If Alternate II completion, cement circulated from _____
 feet depth to _____ w/ _____ sx cmt.

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 Richard Armer
 Title Pres. Date 2-26-90
 Subscribed and sworn to before me this _____ day of _____, 19____.
 Notary Public _____
 Date Commission Expires 09-13-90

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached
 C Wireline Log Received
 C Drillers Time Log Received

Distribution

KCC SWD/Rep NGPA
 KGS Plug Other
 (Specify)

ORIGINAL

SIDE TWO

Operator Name 4-D Petroleum Consultants Lease Name Mason Well # 3
Sec. 27 Twp. 29 Rge. 13 East County Pratt
 West

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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample																								
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																									
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																									
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																									
		<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr> <td>Lansing/KC</td> <td>3875</td> <td>4266</td> </tr> <tr> <td>Marmaton</td> <td>4273</td> <td>4334</td> </tr> <tr> <td>Mississippi</td> <td>4334</td> <td>4369</td> </tr> <tr> <td>Viola</td> <td>4431</td> <td>4548</td> </tr> <tr> <td>Simpson Sh.</td> <td>4548</td> <td>4564</td> </tr> <tr> <td>Simpson Sd.</td> <td>4564</td> <td>4594</td> </tr> <tr> <td>Arbuckle</td> <td>4643</td> <td>in Arb. @ TD 4730'</td> </tr> </tbody> </table>	Name	Top	Bottom	Lansing/KC	3875	4266	Marmaton	4273	4334	Mississippi	4334	4369	Viola	4431	4548	Simpson Sh.	4548	4564	Simpson Sd.	4564	4594	Arbuckle	4643	in Arb. @ TD 4730'
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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
<u>SURFACE</u>	<u>12 1/4"</u>	<u>10 3/4"</u>	<u>30. #/ft</u>	<u>279'</u>	<u>60/40 Poz</u>	<u>250</u>	<u>3% CC-2% gel</u>
<u>PRODUCTION</u>	<u>7 7/8"</u>	<u>4 1/2"</u>	<u>10.5 #/ft</u>	<u>4719'</u>	<u>60/40 Poz</u>	<u>200</u>	<u>10% SOLF-7.5% CR-2</u>
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used) Depth			
TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		

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

METHOD OF COMPLETION: Open Hole Perforation Dually Completed Conmingled Other (Specify) Delayed completion

Production Interval _____

K C C

NOV 06 1990

ATTACHMENT to ACO-1
4-D Petroleum Consultants
(Mason #3)
SE NW SE SEC. (27-29-13W)
Pratt Co.
15-151-21,981

Drill Stem Tests

- DST #1 3910-3923 IF 86-86/30", ISIP 1175/30", FF 107-129/60", FSIP 1249/60",
IH 1974, FH 1920, 120 deg. F.
Strong blo, GTS 20" into 2nd flo., stab. @19,900 CFGPD.
Rec. 60' O&GCM, 20% gas, 20% oil. 150' O&GCM, 30% gas,
50% oil. 90' Oil & gas cut water, 83,000 PPM CL.
- DST #2 4158-4174 IF 53-53/30", ISIP 193/30", FF 86-86/60", FSIP 430/60",
IH 2048, FH 2027, 120 deg. F. Wk Blo., Rec 180" GIP
30" Oil & gas cut mud, 10% gas, 5% oil.
- DST #3 4268-4290 IF 75-75/30", ISIP 75/30", FF 75-75/30", FSIP 75/60",
IH 2134, FH 2134, 118 deg F, Rec. 10' drilling mud.
- DST #4 4547-67 IF 75-86/30", ISIP 538/30", FF 161-182/60", FSIP 538/60",
IH 2294, FH 2294, 135 deg F., Strong blo., No gas to sfc.,
Rec. 135' sl Oil & gas cut mud, 10% gas, 5% oil, 60' muddy
water. 64,000 PPM CL.
- DST #5 4643-60 IF 139-322/30", ISIP 910/30", FF 430-538/30", FSIP 963/60",
IH 2348, FH 2348, 130 deg F. Strong blo, no gas to sfc.,
Rec. 180' GIP, 5' Free oil, 1350' sl oil & gas cut muddy
water, strong sulfur, 72,000 PPM Cl.

RECEIVED
STATE OF OREGON COMMISSION

NOV 6 1990