

ORIGINAL

SIDE ONE

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

API NO. 15- 151-22,017-00-00

County Pratt County

SE NW SW Sec. 19 Twp. 26S Rge. 13 East West

Operator: License # 5435

1650' Ft. North from Southeast Corner of Section

Name: Bowers Drilling Co., Inc.

4290' Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Address 125 N. Market, Suite 1425

Lease Name McMannis Well # 1

City/State/Zip Wichita, KS 67202

Field Name unknown

Purchaser: _____

Producing Formation Simpson

Operator Contact Person: Jack Partridge

Elevation: Ground 1953 KB 1965

Phone (316) 262-1841

Total Depth 4477' PBTD _____

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: J. C. Misgrove

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

If OWO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

11-9-90 11-17-90

Spud Date Date Reached TD Completion Date

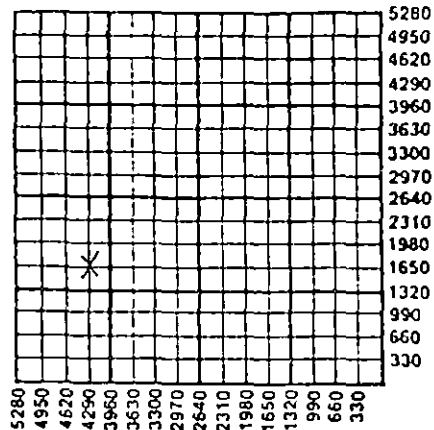
Amount of Surface Pipe Set and Cemented at 320 Feet

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.



ALT DPA

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 Emil F. Pauer

Title Pres Date 12/21/90

Subscribed and sworn to before me this 21st day of December, 1990.

Notary Public Judith C. Ridder

Date Commission Expires _____

STATE NOTARY PUBLIC
SEDGWICK COUNTY, KANSAS
MY APPT. EXP. 3/2/92

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

DEC 26 1990

PI

SIDE TWO

Operator Name Bowers Drilling Co., Inc. Lease Name McMannis Well # 1
 Sec19 Twp. 26 Rge. 13 East West
 County Pratt County

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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets.) 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr><td>Heebner</td><td>3637</td><td>-1627</td></tr> <tr><td>Douglas</td><td>3697</td><td>-1704</td></tr> <tr><td>Brown Lime</td><td>3798</td><td>-1833</td></tr> <tr><td>Lansing</td><td>3828</td><td>-1863</td></tr> <tr><td>Base Kansas City</td><td>4130</td><td>-2165</td></tr> <tr><td>Kinderhook Shale</td><td>4307</td><td>-2342</td></tr> <tr><td>Kinderhook Chert</td><td>4331</td><td>-2366</td></tr> <tr><td>Kinderhook Shale</td><td>4349</td><td>-2384</td></tr> <tr><td>Viola</td><td>4378</td><td>-2413</td></tr> <tr><td>Simpson Shale</td><td>4446</td><td>-2481</td></tr> <tr><td>Simpson Sand</td><td>4457</td><td>-2492</td></tr> </tbody> </table>	Name	Top	Bottom	Heebner	3637	-1627	Douglas	3697	-1704	Brown Lime	3798	-1833	Lansing	3828	-1863	Base Kansas City	4130	-2165	Kinderhook Shale	4307	-2342	Kinderhook Chert	4331	-2366	Kinderhook Shale	4349	-2384	Viola	4378	-2413	Simpson Shale	4446	-2481	Simpson Sand	4457	-2492
Name	Top	Bottom																																			
Heebner	3637	-1627																																			
Douglas	3697	-1704																																			
Brown Lime	3798	-1833																																			
Lansing	3828	-1863																																			
Base Kansas City	4130	-2165																																			
Kinderhook Shale	4307	-2342																																			
Kinderhook Chert	4331	-2366																																			
Kinderhook Shale	4349	-2384																																			
Viola	4378	-2413																																			
Simpson Shale	4446	-2481																																			
Simpson Sand	4457	-2492																																			

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	12 1/4"	8 5/8"	20#	320'	60-40pozmix	225	3%cc 2%gel

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled

Other (Specify) _____

Production Interval _____



ORIGINAL

ORIGINAL

INVOICE DATE
11/09/90

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212
--	--	--

PAGE 1	INVOICE NO. YU004
-----------	----------------------

BOWERS DRILLING CO
125 N. MARKET STE 1425
WICHITA KS 67202

AUTHORIZED BY
611000

PURCH. ORDER REF. NO.

WELL NUMBER : #1

CUSTOMER NUMBER : 05278000

LEASE NAME AND NUMBER MCMANNS	STATE 14	COUNTY/PARISH	CITY	DISTRICT NAME MEDICINE LODGE	DISTR. NO. 3350
JOB LOCATION/FIELD	MTA DISTRICT	DATE OF JOB 11/09/90	TYPE OF SERVICE LAND-CONDUCTOR/SURFACE		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100302	1.00	CEMENT CASING 0 TO 300 FEET	440.00		440.00
10109005	10.00	MILEAGE CHRG, FROM NEAREST BAS	2.35		23.50
10410504	135.00	CLASS "A" CEMENT	5.50	CF	742.50
10415018	90.00	FLY ASH	2.91	CF	261.90
10415049	580.00	A-7-P CALCIUM CHLORIDE PELLETS	0.46	LB	266.80
10420145	390.00	BJ-TITAN GEL, BENTONITE, BULK	0.13	LB	50.70
10880001	241.00	MIXING SEVICE CHRG DRY MATERIA	1.10		265.10
10940101	408.00	DRAYAGE, PER TON MILE	0.75		306.00
10431036	1.00	8-5/8" TOP WOOD PLUG	60.00	EA	60.00
10409600	1.00	8 5/8 BAFFLE PLATE	99.25	GL	99.25
SUBTOTAL					2,515.75
DISCOUNT					523.72

Cons. Surface

sample incl

1.00

ACCOUNT	4.25000% STATE TAX 1.00000% COUNTY TAX	1172.82 1172.82	49.85 11.73
TAX EXEMPTION STATUS:		<p>RECEIVED STATE OF KANSAS COMMISSION DEC 26 1990 COMMERCIAL TAXATION</p>	

PAY THIS AMOUNT \longrightarrow 2,053.61