5 SIDE ONE

Ind

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 4030
Name J. & R. Oil Operations
Address P.O. Box 1061
City/State/Zip Hays, KS 67601

Purchaser

Operator Contact Person Roy Sack
Phone 913-628-6957

Contractor: License # 9087
Name R. & C. Drilling Co., Inc.

Wellsite Geologist Herb Deines
Phone 913-625-3380

Designate Type of Completion
[X] New Well [ ] Re-Entry [ ] Workover

[X] Oil [ ] SWD [ ] Temp Abd
[ ] Gas [ ] Inj [ ] Delayed Comp.
[ ] Dry [ ] Other (Core, Water Supply etc.)

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

API NO. 15-195-21,725

County Trego

[ ] East
SE SW SW Sec. 8 Twp. 13 Rge. 21 [X] West

330 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

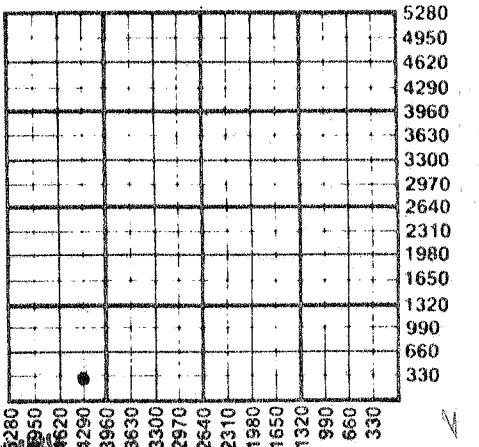
Lease Name Morton Well # 2

Field Name

Producing Formation Marmaton

Elevation: Ground 2201' KB 2206'

Section Plat



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WATER SUPPLY INFORMATION
Disposition of Produced Water: [ ] Disposal
Docket # [ ] Repressuring

WELL HISTORY

Drilling Method:
[X] Mud Rotary [ ] Air Rotary [ ] Cable

6-21-85	6-28-85	6-28-85
Spud Date	Date Reached TD	Completion Date
3975'		
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 259' feet
Multiple Stage Cementing Collar Used? [ ] Yes [X] No
If yes, show depth set feet
If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

[ ] Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge [ ] East [ ] West

[ ] Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge [ ] East [ ] West

[ ] Other (explain)
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 drillers time log shall be attached with this form. Submit CP-4 form with

SIDE TWO

Operator Name J. & R. Oil Operations Lease Name Morton Well # 2

Sec. 8 Twp. 13 Rge. 21 ☐ East ☒ West County Trego

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	30 Bbls	MCF	130 Bbls	CFPB	33.5

METHOD OF COMPLETION — Production Interval

Disposition of gas: ☒ Vented ☐ Open Hole ☒ Perforation

Drill Stem Tests Taken ☒ Yes ☐ No
Samples Sent to Geological Survey ☒ Yes ☐ No
Cores Taken ☐ Yes ☒ No

0' - 1623' Shale & Sand
1623' - 1668' Anhydrite
1623' - 3272' Shale & Lime
3272' - 3412' Topeka
3412' - 3664' Lime
3664' - 3760' K.C.
3760' - 3860' Lime. Shale, & Chirt
3860' - 3975' T.D.

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
Topeka Lime	3279	
Heebner Shale	3506	
Toronto Lime	3533	
Lansing KC	3550	
BKC	3780	
Marmaton	3866	
Total Depth	3948	

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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	12¼	8 5/8	20	259'	60/40 poz	160	
Production	7 7/8	5½	14½	3974'	65/35 poz	450'	

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 (two)	3872-3902	Acid 400 gals MCA	
	3872-3902	FRAC	

TUBING RECORD Size 2 7/8" Set At 3920 Packer at — Liner Run ☐ Yes ☒ No

Date of First Production — Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain)

8-13-21W

CHENEY TESTING COMPANY, INC.

P. O. BOX 367 HILL CITY, KANSAS 67642

TEST TICKET

Dist. Hays

Company J & R Oil Operations	Test No. 1
Well Name & Number Morton #2	Zone Tested Marmaton
Company Address P.O. Box 1061 Hays Ks. 67601	Date 6-27-85
Company Rep. Herb Deines	Tester Rod Steinbrink
Contractor R & C Drlg. Co. Rig #2	Elevation 2206 KB.
Location: Sec. 8 Twp. 13S Rge. 21W Co. Trego State Ks.	SE SW SW

Recorder No. 11030 Type AK-1 Range 3900 PSI
Recorder Depth 3902 Clock # 22992
(A) Initial Hydrostatic Mud 2018 PSI
(B) First Initial Flow Pressure 82 PSI
(C) First Final Flow Pressure 174 PSI
(D) Initial Shut-in Pressure 956 PSI
(E) Second Initial Flow Pressure 246 PSI
(F) Second Final Flow Pressure 370 PSI
(G) Final Shut-in Pressure 946 PSI
(H) Final Hydrostatic Mud 1997 PSI
Temperature 109°
Mud Weight 9.5 44 Viscosity
Fluid Loss 12.0 40,000 Chlor.
Interval Tested 3862 - 3910
Anchor Length 48'
Top Packer Depth 3857
Bottom Packer Depth 3862
Total Depth 3910
Drill Pipe Size 4½" FH
Drill Pipe I. D. 3.70 Ft. Run
Recovery—Total Feet 820'
Rec. 185' Muddy Water W/ Oil Spots
Rec. (15% Mud 85% Water)
Rec. 635' Oil & Mud Cut Water
Rec. (5% Oil 90% Water 5% Mud)
Rec. ✓By Mud Engineer 35,000
Rec. ~~58 OHMS @ 68°~~ = ~~12,000~~ Chlor.

Recorder No. 11090 Type AK-1 Range 4125 PSI
Recorder Depth 3905 Clock # 25719
Tool Open Before I. S. I. 30 Mins.
Initial Shut-in 45 Mins.
Flow Period 45 Mins.
Final Shut-in 60 Mins.
T Choke Size 1" Hole Size 7⅞
B Choke Size ¾" Rubber Size 6¾
Tool Open @ 12:07 AM.
Blow IF: Fair Surface Blow Built
Remarks To 18" In 9 Min.
ISI: Bled Off Blow - No Return.
FF: Weak Surface Return Built To 18" In 12 Min.
FSI: Strong Blow Died Back On Its Own To 14"

Test	$ 625.00
Straddle	
Bowen Jars	
Safety Joint	
Selective Zone Tool	
Sampler	
Extra Packer	
Circulating Sub	X
Down Hole Insurance	
Others	
Price of Job	$ 625.00

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CHENEY TESTING COMPANY, INC.

Approved By Herb Deines

Our Representative Rod Steinbrink

TICKET No 11271

8-13-21W

CHENEY TESTING COMPANY, INC.

P. O. BOX 367 HILL CITY, KANSAS 67642

Dist. Hays

TEST TICKET

Company J & R Oil Operations	Test No. 2
Well Name & Number Morton #2	Zone Tested Marmaton
Company Address P.O. Box 1061 Hays Ks. 67601	Date 6-27-85
Company Rep. Herb Deines	Tester Rod Steinbrink
Contractor R & C Drlg. Co. Rig #2	Elevation 2206 KB
Location: Sec. 8 Twp. 13 S Rge. 21 W Co. Trego State ks.	

Recorder No. 11020 Type AK-1 Range 3900 PSI
Recorder Depth 3902 Clock # 22992
(A) Initial Hydrostatic Mud 2018 PSI
(B) First Initial Flow Pressure 92 PSI
(C) First Final Flow Pressure 277 PSI
(D) Initial Shut-in Pressure PSI
(E) Second Initial Flow Pressure PSI
(F) Second Final Flow Pressure PSI
(G) Final Shut-in Pressure PSI
(H) Final Hydrostatic Mud 1967 PSI
Temperature 109°
Mud Weight 9.5 44 Viscosity
Fluid Loss 12.0 40,000 Chlor.
Interval Tested 3878 - 3910
Anchor Length 32'
Top Packer Depth 3873
Bottom Packer Depth 3878
Total Depth 3910
Drill Pipe Size 4½" FH
Wt. Pipe I. D. 3.70 Ft. Run
Recovery—Total Feet 660'
Rec. 660' Oil & Mud Cut Water
Rec. (5% Oil 3% Mud 92% Water)
Rec.
Rec.
Rec.
Rec.

Recorder No. 11090 Type AK-1 Range 4125 PSI
Recorder Depth 3905 Clock # 25719
Tool Open Before I. S. I. 60 Mins.
Initial Shut-in — Mins.
Flow Period — Mins.
Final Shut-in — Mins.
T Choke Size 1" Hole Size 7⅞
B Choke Size 3/4" Rubber Size 6¾
Tool Open @ 6:59 AM.
Blow IF: Strong Blow Built To
Remarks 18" In 7 Min.

Tool Slid 10' To Bottom

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Test	$ 625.00
Straddle	
Bowen Jars	
Safety Joint	
Selective Zone Tool	
Sampler	
Extra Packer	
Circulating Sub	X
Down Hole Insurance	
Others	
Price of Job	$ 625.00

CHENEY TESTING COMPANY, INC.

Approved By Rod Steinbrink

Our Representative Rod Steinbrink

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TICKET No 11272