

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-

153-20,785 -06-00

County Rawlins

C W/2 SE/4 Sec. 24 Twp. 2S Rge. 32 XV

Operator: License # 6785

1320' Feet from SN (circle one) Line of Section

Name: Schulein Company

1980' Feet from EW (circle one) Line of Section

Address 1776 Lincoln St., #811

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

City/State/Zip Denver, CO 80203

Lease Name Erickson Well # 10A-24

Purchaser: _____

Field Name _____

Operator Contact Person: Robert Schulein

Producing Formation _____

Phone (303) 839-5495

Elevation: Ground 2827' KB 2834'

Contractor: Name: Golden Eagle Drilling Co.

Total Depth 4030' PBTD _____

License: 8682

Amount of Surface Pipe Set and Cemented at 266' Feet

Wellsite Geologist: James A. Blaha

Multiple Stage Cementing Collar Used? Yes No

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

If yes, show depth set _____ Feet

_____ Oil _____ SWD _____ S10W _____ Temp. Abd.
_____ Gas _____ ENHR _____ S1GW
X _____ Dry _____ Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

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

Drilling Fluid Management Plan A/I-I DTA
(Data must be collected from the Reserve Pit)

Operator: _____

Chloride content _____ ppm Fluid volume _____ bbls

Well Name: _____

Dewatering method used _____

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 _____

Lease Name _____ License No. _____

12-27-91 1-2-92 P&A 1-3-92
Spud Date Date Reached TD Completion Date

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

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 Robert Schulein

Title Operator Date 1-13-92

Subscribed and sworn to before me this 13th day of January 19 92.

Notary Public Georgia D. Larson

Date Commission Expires July 3, 1992

Rec'd 1-15-92

K. C. C. OFFICE USE ONLY
RECEIVED
of Confidentiality Attached
Wireline Log Received
Geologist Report Received
Distribution
JAN 15 1992
KCC
KGS
SWD/Rep NGPA
Plug Other
(Specify)
CONSERVATION DIVISION

Operator Name Schulein Company

Lease Name Erickson

Well # 10A-24

Sec. 24 Twp. 2S Rge. 32

East
 West

County Rawlins

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

See attached for log tops.

List All E.Logs Run: Radiation Guard Log

See attached for DST information.

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#	266'	60-40 poz.	165	2% gel, 3% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<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

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj. _____ 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 Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval _____

DRILLSTEM TESTS

DST No. 1 3580' - 3610' (Severy Sandstone)

Initial Open: Weak blow increasing to fair
(4 1/2") in 15 min.Final Open: Fair blow slowly increasing to
8" in 60 min.Recovered 35' watery mud with oil specks, 240'
muddy water.Sample Chamber: Trace oil, 120 ml mud, 2280 ml
water - chlorides 26,000 ppm.

IHP:	1804	
IFP:	50 - 56	15 min.
ISIP:	1150	30 min.
FFP:	65-141	60 min.
FSIP:	1153	120 min.
FHP:	1745	
BHT:	107 ^o	F

DST No. 2 3736' - 3788' (Lansing A)

Initial Open: Weak blow increasing to 1 1/2"
in 5 min.Final Open: Fair blow slowly increasing to
6" in 45 min.Recovered 60' slightly oil cut mud, 60' mud with
oil specks, 60' watery mud with oil specks.Sample Chamber: Trace gas, 24 ml oil, 2160 ml
mud, 216 ml water - chlorides 3,000 ppm.

IHP:	1952	
IFP:	32 -36	5 min.
ISIP:	716	15 min.
FFP:	43 - 106	45 min.
FSIP:	686	150 min.
FHP:	1918	
BHT:	115 ^o	F

RECEIVED
KANSAS CORPORATION COMMISSION

JAN 15 1992

CONSERVATION DIVISION
WICHITA, KS

FORMATION LOG TOPS AND DATUMS

<u>FORMATION</u>	<u>DEPTH</u>	<u>DATUM</u>
Niobrara	550	+2284
Ft. Hays	1106	+1728
Greenhorn	1400	+1434
Dakota	1530	+1304
Morrison	2147	+ 687
Cedar Hills	2380	+ 454
Stone Corral	2584	+ 250
Base Stone Corral	2615	+ 219
Tarkio	3534	- 700
Severy Sandstone	3590	- 756
Topeka	3621	- 787
Oread	3718	- 884
Heebner	3731	- 897
Lansing A	3772	- 938
B	3800	- 966
C	3862	-1028
D	3903	-1069
E	3948	-1114
F	3979	-1145
Base Kansas City	4019	-1185
Total Depth	4030	-1196

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CONSERVATION DIVISION
TOPEKA, KS

ORIGINAL

WELLSITE REPORT

APL 15-153-20785

ROBERT SCHULEIN COMPANY

10A-24 ERICKSON

100' North of Center of W/2 SE/4 Section 24
Township 2 South - Range 32 West
Rawlins County, Kansas

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(KANSAS CORPORATION COMMISSION)

Report by:
James A. Blaha

JAN 15 1992
CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

GEOLOGIC SUMMARY

The 10A-24 Erickson was spudded on December 27, 1991 and reached total depth of 4030' on January 2, 1992.

A drillstem test run in the Severy Sandstone recovered mud with some oil specks and water.

A drillstem test run in the Lansing A zone (the primary objective) recovered a minor amount of gas, slightly oil cut mud and mud and water cut mud with oil specks.

The 10A-24 Erickson was drilled 1200' Southeast of the 11-24 Erickson which produced some 790 barrels of oil from the Lansing A zone. The Lansing A in the 11-24 Erickson has 6' of porous unit with porosities up to 18%. The Lansing A in the 10A-24 Erickson has 2.5' of porous unit with porosities up to 13%.

Shut in pressures from the drillstem test show the Lansing A in the 10A-24 Erickson is connected to the Lansing A in the 11-24 Erickson, however, the drillstem test recovery shows a definite lack of permeability at the 10A-24 location.

Although the Lansing A at the 10A-24 Erickson is 7' structurally low to the Lansing A at the 11-24 Erickson, it is not the low structural position that negated a completion attempt at the 10A-24 Erickson. The low porosity and lack of permeability in the Lansing A are the reasons a completion attempt was not recommended.

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CONSERVATION DIVISION
WICHITA, KS

ORIGINAL

CHRONOLOGICAL HISTORY

12-27-91 Spud 4:15pm. Set 266' of 8 5/8" casing with 165 sacks. Plug down 4:30am 12-29-91.

Activity at 7:00am

12-28-91 WOC
 12-29-91 1950' drilling
 12-30-91 2965' drilling
 12-31-91 3575' drilling
 1-1-92 3780' drilling
 1-2-92 3954' drilling
 Reached TD 4030' at 11:35am 1-2-92

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Out</u>	<u>Ftg.</u>	<u>Hours</u>
1	12½	RT		266	266	10 3/4
1	7 7/8	RT		1968	1702	14 1/4
2	7 7/8	Sec.	S84F	4030	2062	91 1/2

HOLE DEVIATION

266' 1/2°
 1968' 1/2°
 3610' 3/4°
 4030' 3/4°

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ORIGINAL

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SAMPLE DESCRIPTION

(Not Lagged)

Tarkio

3540'-3550'

Limestone, light grey-tan to buff, very finely crystalline, granular texture, occasionally fossiliferous, dense.

Severy Sandstone

3610' (circulated)

Sandstone, light grey, very fine grained, well sorted, very friable, poor to fair porosity, poor to fair fluorescence, good cut.

Topeka

3630'-3640'

Limestone, light tan to buff, very finely crystalline, dense.
Trace Limestone, white, chalky.

Oread

3730'-3740'

Limestone, light grey-tan, granular texture, occasional speck of dead oil, dense.
Limestone, buff, finely crystalline, granular texture, occasionally fossiliferous, specks of dead oil, dense.
Limestone, buff very finely crystalline, dense.
Trace Limestone, white, chalky.

Lansing A

3788' (circulated)

Limestone, buff, very finely crystalline, scattered pin-point and small vuggy porosity, brown oil stain, good cut. Some evidence of fracturing.
Limestone, buff micro-crystalline, dense.
Trace Limestone, white, chalky.

Lansing B

3810'-3820'

Limestone, buff, very finely crystalline, occasional vug with heavy oil stain, trace pin-point porosity (not effective), dark brown heavy oil stain.

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WICHITA, KS

Lansing C
3870'-3880'

Limestone, buff and light grey-buff, very finely crystalline, occasionally fossiliferous, minor pin-point porosity with heavy oil stain. Trace Limestone, white, chalky.

Lansing D
3910'-3930'

Limestone, buff, very finely crystalline, granular texture, occasionally fossiliferous, scattered pin-point spots of brown oil, dense. Trace Limestone, white, chalky. Trace Limestone, buff, micro-crystalline, dense.

Lansing E
3960'-3970'

Limestone, buff and tan, very finely crystalline, occasionally fossiliferous, occasional vug with heavy black oil. Trace Limestone, white, chalky.

Lansing F
3990'-4000'

Limestone, light grey-tan and buff, very finely crystalline, dense. Trace Limestone, white, chalky.

* * *

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JAN 15 1992

CONSERVATION DIVISION
WICHITA, KS

Phone 913-483-2627, Russell, Kansas

Phone Plainville 913-434-2812

Phone 316-793-5861, Great Bend, Kansas

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL No 1522

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
12-27-91	24	2	32		6:00 PM		4:30 AM
Lease	Well No.	Location		County	State		
Erickson	10A-24	Herndon + 36 Jct 6W-3N		Rawlins	Kan		

Contractor Golden Eagle Drly Co

Type Job Surface

Hole Size	T.D.
12 1/4	268'
Csg.	Depth
8 7/8	266'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max.	Minimum
Meas Line	Displace <input checked="" type="checkbox"/>
Perf.	

Owner 174 E

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Schulein Co

Street 1776 Lincoln St #811

City Denver State Co. 80203

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X James J. ...

CEMENT

Amount Ordered 165 sks 60/40 ppa, 3/4 cc-2% cal

Consisting of

Common
Poz. Mix
Gel.
Chloride
Quickset

Sales Tax

EQUIPMENT

No.	Cementer	<u>Walt</u>
Pumptrk <u>153</u>	Helper	
No.	Cementer	<u>George</u>
Pumptrk	Helper	
	Driver	<u>Joe</u>
Bulktrk <u>212</u>	Driver	

DEPTH of Job

Reference:	<u>Pumptruck</u>	
	<u>8 7/8 Wooden Plug</u>	
	<u>2.00 per mile</u>	
	Sub Total	
	Tax	
	Total	

Remarks:

Cement Did Cure

Handling

Mileage

Sub Total

RECEIVED
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JAN 15 1992

CONSERVATION DIVISION
WICHITA, KS

Mark ...

Phone 913-483-2627, Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ORIGINAL

New

ALLIED CEMENTING CO., INC.

1838

Home Office P. O. Box 31

Russell, Kansas 67665

1-3-92

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
1-2-92	24	2 ^o	32 ^w	6:30 P.M.	10:45 P.M.	11:15 P.M.	2:00 A.M.
Lease Erickson		Well No. 10A-24		Location Atwood 8E3N1/4E		County Rawlins	State Ks.

Contractor Golden Eagle Drilling Rig #2	
Type Job Plug	
Hole Size 7 7/8"	T.D. 4030'
Csg. 8 7/8"	Depth 266'
Tbg. Size	Depth
Drill Pipe	Depth
Tool	Depth
Cement Left in Csg.	Shoe Joint
Press Max. 200 #	Minimum
Meas Line	Displace
Perf.	

Owner Same

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To Schulein Company

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.

X Daniel Henry

EQUIPMENT

No.	Cementer	
Pumptrk 601	Helper	Gary H. Marilyn K.
No.	Cementer	
Pumptrk	Helper	
Bulktrk #212	Driver	Wayne Mc.
Bulktrk	Driver	

CEMENT

Amount Ordered 200 sks 6 9/40 902 6 bag, 3 1/2 C.C.

Consisting of with 1/4 # of floscal /sk.

Common
Poz. Mix
Gel.
Chloride
Quickset
Sales Tax
Handling 1.00/sk.
Mileage 2.04/sk./mi.
Sub Total

DEPTH of Job

Reference: #8 Pumptruck - plug	# 475.00
#13 mileage @ 2.00/mi.	
1- 8 7/8" dog hole plug	
Sub Total	
Tax	
Total	

Remarks:

1st plug @ 2600' w/25 sks.

2nd plug @ 1980' w/100 sks.

3rd plug @ 315' w/40 sks.

8 7/8" plug @ 40' w/10 sks to surface.

Plugged rat hole w/15 sks.

Floating Equipment

Thanks

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CONSERVATION DIVISION
WICHITA, KS

Plugged mouse hole w/10 sks.