

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

ORIGINAL

Operator: License # 3080

Name: Jack Exploration, Inc.

Address P.O. Box 1279

City/State/Zip Sulphur, OK 73086

Purchaser: YA

Operator Contact Person: James R. Jackson

Phone (580) 622-2310

Contractor: Name: Allen Drilling

License: 5418

Wellsite Geologist: Mike Pollok

Designate Type of Completion
 New Well Re-Entry Workover

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

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

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back _____ PBTB
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) Docket No. _____

1/15/98 1/18/98 1/18/98
Spud Date Date Reached TD Completion Date

API NO. 15- 077-213470000

County Harper plugged 1/18/98

- SW - NE - NE Sec. 8 Twp. 33S Rge. 9 E

950 Feet from S (circle one) Line of Section

850 Feet from E (circle one) Line of Section

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

Lease Name Zimmerman Well # 1-8

Field Name WC

Producing Formation NA

Elevation: Ground 1361 KB 1372

Total Depth 3761 PBTB _____

Amount of Surface Pipe Set and Cemented at 270 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.

Drilling Fluid Management Plan D&A JH 2-9-98
(Data must be collected from the Reserve Pit)

Chloride content 4000 ppm Fluid volume 700 bbls

Dewatering method used Evaporation

Location of fluid disposal (if hauled offsite): _____

Operator Name Oil Producers Inc. of Kansas

Lease Name Watson License No. 8061

SW Quarter Sec. 8 Twp. 29S S Rng. 15 E

County Barber Docket No. D-24324

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 James R. Jackson
Title President Date 1/28/98

Subscribed and sworn to before me this 28th day of January 19 98.

Notary Public Susan L. Watterson

Date Commission Expires July 22, 2001

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
JAN 30 1998
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
Wichita, Kansas (Specify)

Operator Name Jack Exploration Inc.

Lease Name Zimmerman

Well # 1-8

East

County Harper

Sec. 8 Twp. 33 Rge. 9

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run: Schlumberger
IES, Density

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
CHASE	1520	-148
TOP OF PENNSYLVANIAN	3028	-1656
BASE HEEBNER	3384	-2012
DOUGLAS	3425	-2053
TONKAWA	3744	-2372

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"	23#	274	Class A	200	3% CcL 2% Gel

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		Acid, Fracture, Shot, Cement Squeeze Record	
	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, Resumed Production, SWD or Inj.	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 Perf. Dually Comp. Commingled
 Other (Specify) _____

Production Interval _____

DAILY DRILLING REPORT

ORIGINAL

15-077-21347

JACK EXPLORATION, INC.
ZIMMERMAN 1-8
COTTONWOOD CREEK PROSPECT
HARPER COUNTY, KANSAS

-
- 01/13/98 Moving in rotary tools.
- 01/14/98 Rigged up.
- 01/15/98 Drilled 12 1/4" hole to 300'. Ran 263' 8 5/8" 24# csg. Landed @ 274' KB. Cemented with 200 sacks Class A with 3% calcium chloride and 2% gel. Displaced 16 1/4 barrels of water. Circulated cement to surface. Sure shot 1'. Plugged down @ 4:15 p.m.. WOC.
- 01/16/98 Depth 1600', 7 7/8" hole. 72.2' p/hr, 18 hrs. drlg. Straight hole test: 1 1/2' @ 819'; 3/4' @ 1378'. Pump press. 750 lbs.
- 01/17/98 Drlg @ 2600'. Made 1000 ft last 24 hrs. Drilled 50' per hour. Drlg time 20 hrs. Straight hole test: 1' @ 1876' 1' @ 2559'. Mud wt 9.5.
- 01/18/98 Drlg @ 3600'. Displaced mud @ 2807'. Made 1000' in 24 hrs. Straight hole test: 1 1/4' @ 3087'. Mud wt. 9.2, Vis. 48, water loss 8.8, cholorides 4,000, 1/2 lb barrel LCM.
- 01/19/98 Drlg @ 3770'. Mud wt 9.1, Vis. 48. Strapped out of hole. Rigged up Schlumberger. Ran log. Plugged and abandoned @ 3770'. Rigged up Allied. Plugging procedure as follows: 35 sks plug @ 1500', 35 sks plug @ 1100', 35 sks plug @ 320', 25 sks plug @ 60' to surf., 15 sks-rathole. Last plug down @ 5:30 a.m.. Cement type 60/40 4% gel.

RECEIVED
STATE OF KANSAS COMMISSION

JAN 30 1904

CONSERVATION DIVISION
Wichita, Kansas



MAP, INC.

P.O. Box 106 ■ PURCELL, OKLAHOMA 73080
OFFICE 405/527-6038 ■ HOME 405/527-5200 ■ MOBILE 405/650-0793

ORIGINAL

**GEOLOGICAL REPORT
COTTONWOOD CREEK PROSPECT**

ZIMMERMAN 1-8

8 - T33S - R9W

15-077-21347

HARPER COUNTY, KANSAS

INTRODUCTION

The above captioned well reached total depth of 3,770 feet on January 18, 1998. This was an exploratory test for the Tonkawa Sandstone, which is prolific to the northeast. A gas detector was on location from 660 feet to total depth, with one-man mud-logging beginning at 3,000 feet. The undersigned was on location from approximately 2,500 feet to TD. At total depth, an electric logging suite of Array Induction and Lithodensity - Compensated Neutron was run.

After all data was obtained and analyzed the decision was made to plug the Zimmerman 1-8 as a dry hole.

TONKAWA SAND

The Tonkawa Sand was cut at 3,744 (-2372) feet. This was 30 feet low to the two key wells to the east of the prospect. This was due to the erosional shale-out mapped to the west. The well had been running high on structural makers above. We were sixteen feet high to the eastern wells on the Base Heebner marker, which was encountered at 3,384 (-2012) feet. The Tonkawa was described as a clear to frosty, light gray, very fine to fine grained sandstone that is slightly angular. No shows were recorded on the gas chromatograph and samples carried no visible hydrocarbon shows.

CONCLUSION

The Zimmerman 1-8 was drilled as an exploratory test for the Tonkawa Sandstone. On regional structural markers we came in as mapped. We however drilled too far west into the erosional shale-out. This makes the remaining leasehold too small to pursue any other Tonkawa idea.

The Zimmerman 1-8 was plugged and abandoned January 19, 1998.

RECEIVED
STATE COMMISSION

JAN 30 1998

CONSERVATION DIVISION
Wichita, Kansas

Respectfully submitted

ORIGINAL

GREAT PLAINS FLUID SERVICE, INC.

No 71055

P. O. Box 764
GREENSBURG, KANSAS 67054
Phone (316) 723 - 2267

Company Jack Exploration
Lease Zimmerman 1-8
Sec. _____ Twp. _____ Rge. _____ Co. _____
Load Time _____ Unload Time _____
Begin. Gauge _____ End. Gauge _____
Destination SWD Watson ~~Clinton~~

Date 1-19-98
License No. 4.5 hrs
Bbls. Hauled 160 Commodity SW
Thank you! Hauled Reserve #4
Water off Allen D. Rig #3.
Truck # 11 Driver Jason P.

GREAT PLAINS FLUID SERVICE, INC.

No 71058

P. O. Box 764
GREENSBURG, KANSAS 67054
Phone (316) 723 - 2267

Company Jack Exploration
Lease Zimmerman 1-8
Sec. _____ Twp. _____ Rge. _____ Co. _____
Load Time _____ Unload Time _____
Begin. Gauge _____ End. Gauge _____
Destination SWD Watson

Date 1-17-98
License No. 4.5 hrs
Bbls. Hauled 160 Commodity ~~SW~~ Reserve #4
Hauled ~~160~~ off Reserve #4
Allen D. Rig #3 Thank you!
RECEIVED
Truck # 11 Driver Jason P.

JAN 30 1998

Dear James Jack,

ORIGINAL 15-077-21347

Here is the information you was wanting on the Jack Exploration, Zimmerman 1-8 reserve pit.

We hauled a total of 320 bbls off the reserve pit and took it to the Watson #2 SWD.

Disposal name: Watson #2
County: Pratt
Operator name: Oil Producers, Inc. of Kansas
Operator #: 8061
Docket #: D- 24324
Location: SW/4 8-29S-15W

If you have any other question please call me.

Thank you

Tamra
Great Plains Fluid Service, Inc.

RECEIVED
STATE COMMISSION

JAN 30 1998

CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC. 5799

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT

Medicine Jobs, KS.

DATE: 11-98	SEC: 8	TWP: 33S	RANGE: 9W	CALLED OUT: 12:00 pm	ON LOCATION: 1:00 pm	JOB START: 5:55 pm	JOB FINISH: 9:15 pm
LEASE: Zimmerman	WELL #: 1-8	LOCATION: Sharon KS. on 160 to W 140 RD 35 1/2 S W 1/2 SW 1/4		COUNTY: Harper	STATE: Kansas		
OLD OR NEW (Circle one) _____							
CONTRACTOR: Allen Rig 3				OWNER: Jack Exploration			
TYPE OF JOB: Surface				CEMENT: _____			
HOLE SIZE: 12 1/4		T.D.: 300		AMOUNT ORDERED: 205x CLASS A + 36 cc + 27 gel			
CASING SIZE: 8 3/8 - 28"		DEPTH: 280.64		COMMON: _____ @ _____			
TUBING SIZE: _____		DEPTH: _____		POZ MIX: _____ @ _____			
DRILL PIPE: _____		DEPTH: _____		GEL: _____ @ _____			
TOOL: _____		DEPTH: _____		CHLORIDE: _____ @ _____			
PRES. MAX: 200		MINIMUM: 50		HANDLING MILEAGE: _____			
MEAS. LINE: _____		SHOE JOINT: _____		TOTAL: _____			
CEMENT LEFT IN CSG: 20 20 feet							
PERFS: _____							
EQUIPMENT							
PUMP TRUCK #255-265		CEMENTER: Carl Balding		HELPER: Shane Winsor			
BULK TRUCK #259-314		DRIVER: Mark Brungardt					
BULK TRUCK # _____		DRIVER: _____					

REMARKS:

SERVICE:

Pipe on broken back circulation w/ rig pump fresh water spacer mix + pump 205x CLASS A + 36 cc + 27 gel cement 7 1/2 stop pumps. Switch valves + Release plug. Displace w/ 16-85 bbls fresh water. Cement did circulate approx 125 cu ft. Shot IN.

DEPTH OF JOB	280.64
PUMP TRUCK CHARGE	_____
EXTRA FOOTAGE	@ _____
MILEAGE	@ _____
PLUG	wooden @ _____
TOTAL	_____

CHARGE TO: Jack Exploration

JAN 30 1998

STREET _____
CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT _____
_____ @ _____
_____ @ _____
_____ @ _____
_____ @ _____

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
TOTAL CHARGE _____
DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE: Alan Watson

ALAN WATSON

Date 1-18-98 District Med. Lodge Ticket No. 5852
 Company TACK Exploration Rig Allen #3
 Lease Zimmerman Well No. 1-8
 County Harper State KS.
 Location Sharon, E on 160 to 140 Field 8-33s-9w
RD 4s-1w-1/2s

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

Casing Depths: Top 274-8 5/8 Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars 2 hole
 Open Hole: Size 7 7/8 T.D. 3770 ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. 0.602 Lin. ft./Bbl. 16.5993
 Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32
 Annulus: Bbls/Lin. ft. 0.406 Lin. ft./Bbl. 24.6474
 Bbls/Lin. ft. 0.440 Lin. ft./Bbl. 22.72

Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: Fresh H₂O
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

ORIGINAL

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type CLASS A
60/40/4% Gel Excess _____

Amt. 14.5 Skys Yield 1.41 ft³/sk Density 14.0 PPG

WATER: Lead _____ gals/sk Tail 6.7 gals/sk Total 2.3 Bbls.

Pump Trucks Used 233-302 Justin H.

Bulk Equip. 301 James H.

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type mod-H₂O Amt. 2.3 Bbls. Weight 8.34 PPG

Mud Type Chemical Weight 9.1 PPG

COMPANY REPRESENTATIVE Alan Watson

CEMENTER Larry Dailing

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE / CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
1:55		250		14	5	1440' w/ 3.55 SXS. Start Fresh H ₂ O Spacer
				8	5	Start Cement - 60/40/4
				12	3	Start H ₂ O Pad
2:10		200			4 1/2	Start mud
						Stop Pumps
2:45		175		9	5	1118' w/ 3.55 SXS. Start H ₂ O Pad
				8	5	Start Cement - 60/40/4
				3	3	Start H ₂ O Spacer
2:55		100		8	4 1/2	Start mud
						Stop Pumps
3:45		100		5	4	314' w/ 3.55 SXS. Start H ₂ O Pad
				8	5	Start Cement - 60/40/4
3:52		125		2 1/2	3	Start Fresh H ₂ O Displac =
						Stop Pumps
5:10		50		4	3	60' w/ 2.55 SXS.
5:30		50		3	3	Path hole w/ 1.5 SXS.
						Cemented w/ 1.45 SXS. 60/40/4 1/2 - 1

ALLIED CEMENTING CO., INC. 5852

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT
med. lodge, KS

DATE <u>1-18-98</u>	SEC <u>8</u>	TWP <u>33S</u>	RANGE <u>9W</u>	CALLED OUT <u>6:30 P.M.</u>	ON LOCATION <u>9:30 P.M.</u>	JOB START <u>1:45 A.M.</u>	JOB FINISH <u>5:45 A.M.</u>
LEASE <u>IMPERIAL</u> WELL # <u>- 8</u>		LOCATION <u>SHARON E ON 160 TO 140 RD.</u>			COUNTY <u>HARPER</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>45-1w-1/2s</u>			
CONTRACTOR <u>Allen Drg. #3</u>				OWNER <u>Jack Exploration</u>			
TYPE OF JOB <u>Rot Dry Plug</u>				CEMENT <u>CEMENT</u>			
HOLE SIZE <u>7 7/8</u>		TD. <u>3770</u>		AMOUNT ORDERED <u>1455XS 60/40/4% Gel</u>			
CASING SIZE <u>2 3/4 x 24</u>		DEPTH <u>274</u>		TUBING SIZE _____ DEPTH _____			
DRILL PIPE <u>4 1/2 x hole</u>		DEPTH <u>1490</u>		TOOL _____ DEPTH _____			
PRES. MAX <u>300</u>		MINIMUM <u>150</u>		COMMON _____ @ _____			
MEAS. LINE _____		SHOE JOINT _____		POZMIX _____ @ _____			
CEMENT LEFT IN CSG. _____		PERFS. _____		GEL _____ @ _____			
CHLORIDE _____		EQUIPMENT		_____ @ _____			
PUMP TRUCK CEMENTER <u>Barry Dreling</u>		# <u>233-302</u>		HELPER <u>Justin Hart</u>			
BULK TRUCK # <u>301</u>		DRIVER <u>James Holt</u>		HANDLING _____ @ _____			
BULK TRUCK # _____		DRIVER _____		MILEAGE _____ @ _____			
TOTAL _____		REMARKS:		SERVICE			

<p><u>1490-355XS</u></p> <p><u>1118-355XS</u></p> <p><u>314-355XS</u></p> <p><u>60-255XS</u></p> <p><u>Rathole-155XS</u></p> <p><u>Cemented w/1455XS 60/40/4% Gel</u></p> <p>CHARGE TO <u>Jack Explorations</u></p>	<p>DEPTH OF JOB <u>1490</u></p> <p>PUMP TRUCK CHARGE _____</p> <p>EXTRA FOOTAGE _____ @ _____</p> <p>MILEAGE _____ @ _____</p> <p>PLUG _____ @ _____</p> <p>TOTAL _____</p>
---	---

STREET _____ CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

RECEIVED

JAN 30 1998

TOTAL _____

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

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SIGNATURE X [Signature]