

RECEIVED

DEC 31 2001
12-31-01
KCC WICHITA

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

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

Operator: License # 3080
Name: JACK EXPLORATION, INC.
Address: P.O. BOX 1279
City/State/Zip: SULPHUR, OK 73086
Purchaser: WESTERN GAS COMPANY
Operator Contact Person: JAMES R. JACK
Phone: (580) 622-2310
Contractor: Name: DUKE DRILLING CO., INC.
License: 5929
Wellsite Geologist: MIKE POLLOK; MAP EXPLORATION, INC.

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____

Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back _____ Plug Back Total Depth _____
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Enhr.?) _____ Docket No. _____

<u>10/08/01</u>	<u>10/18/01</u>	<u>11/07/01</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 007-22682-0000
County: BARBER
_____ SW- SW Sec. 3 Twp. 35 S. R. 14 East West
660 feet from S / N (circle one) Line of Section
660 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: BENSON Well #: 1-3
Field Name: AETNA SE

Producing Formation: MISSISSIPPIAN
Elevation: Ground: 1625 Kelly Bushing: 1636
Total Depth: 4975 Plug Back Total Depth: 4937
Amount of Surface Pipe Set and Cemented at 284 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 cm.

Drilling Fluid Management Plan ALT 1 gH 6/04/02
(Data must be collected from the Reserve Pit)
Chloride content 30,000 ppm Fluid volume 500 bbls
Dewatering method used WATER TO SWD
Location of fluid disposal if hauled offsite:
Operator Name: OIL PRODUCERS OF KANSAS
Lease Name: MAY License No.: 8061
Quarter CNW Sec. 13 Twp. 35 S. R. 16 East West
County: COMANCHE Docket No.: 27,726

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: [Signature]
Title: PRESIDENT Date: 12/26/01

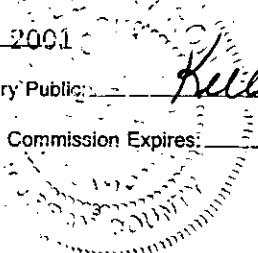
Subscribed and sworn to before me this 26th day of December

12 2001
Notary Public: [Signature]
Date Commission Expires: MARCH 12, 2002

KCC Office Use ONLY

Letter of Confidentiality Attached
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

KCC



X

Operator Name: JACK EXPLORATION, INC. Lease Name: BENSON Well #: 1-3
 Sec. 3 Twp. 35 S. R. 14 East West County: BARBER

ORIGINAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: INDUCTION, DENSITY, MICROLOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>TOP PENN</td> <td>3012</td> <td>-1477</td> </tr> <tr> <td>BASE HERBNER</td> <td>3978</td> <td>-2443</td> </tr> <tr> <td>LANSING</td> <td>4156</td> <td>-2621</td> </tr> <tr> <td>CHEROKEE</td> <td>4800</td> <td>-3265</td> </tr> <tr> <td>MISSISSIPPIAN</td> <td>4828</td> <td>-3294</td> </tr> </table>	Name	Top	Datum	TOP PENN	3012	-1477	BASE HERBNER	3978	-2443	LANSING	4156	-2621	CHEROKEE	4800	-3265	MISSISSIPPIAN	4828	-3294
Name	Top	Datum																	
TOP PENN	3012	-1477																	
BASE HERBNER	3978	-2443																	
LANSING	4156	-2621																	
CHEROKEE	4800	-3265																	
MISSISSIPPIAN	4828	-3294																	

CASING RECORD <input checked="" type="checkbox"/> New <input 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
CONDUCTOR		20"	54#	55'			
SURFACE	12 1/4"	8 5/8"	24#	284'	ClassA		
PRODUCTION	7 7/8"	4 1/2"	111.60#	4973'	Scav/ClassA	50/150	

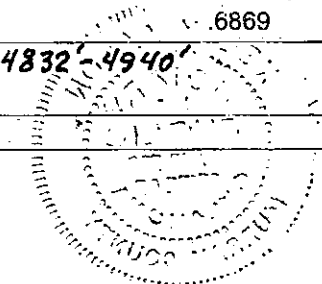
ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

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
2/ft	4892-4940	6000 15%; 30,000# Sd	
2/ft	4832-4882	12000 15%; 60,000# Sd	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 3/8"	4841.83		

Date of First, Resumed Production, SWD or Enhr. WOPL	Producing Method <input checked="" 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
	434 MCF 6869

Disposition of Gas <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <small>(If vented, Sumit ACO-18.)</small>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify)	Production Interval 4832-4940'
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15-007-22682-0000

MAP EXPLORATION, INC.

ORIGINAL

MICHAEL ANTHONY POLLOK, PRES.

RECEIVED

OFFICE 405/527-6038 ■ HOME 405/527-5200 ■ MOBILE 405/823-4493 ■ FAX 405/527-7629
■ E-MAIL: mapexpl@aol.com

DEC 31 2001
12-31-01
NCC WICHITA

GEOLOGICAL REPORT BENSON 1-3 SW/4 SW/4 SECTION 3 - T35S - R14W BARBER COUNTY, KANSAS

SUMMARY

The above captioned well was drilled to a total depth of 4,975 feet on October 18, 2001. A one-man mud-logging unit was on location from 2,600 feet to TD, with samples being analyzed from 3,800 feet to TD. The well was under the geological supervision of the undersigned from approximately 4,550 feet to TD. At TD, ELI electric logs were run that consisted of Dual induction, Compensated Neutron - density and Micro-log. From data collected while drilling and analyzing, hydrocarbon shows were encountered in the Kansas City aged Hertha Limestone and the Mississippian Dolomite zones. The decision was made to set production casing and complete the well in the above mentioned zones.

HERTHA LIMESTONE

The Hertha Limestone was drilled at 4,650 (-3115) feet. Samples were described as off-white to cream buff, very fine to fine crystalline, slightly sucrosic limestone, with a trace of intercrystalline, pinpoint and vugular porosity. A dull greenish yellow fluorescence was observed along with poor streaming cut and fair odor. An 108-unit gas kick was recorded on the gas chromatograph through a five-foot drilling break. Electric logs indicate a six-foot zone of 21% cross-plot porosity with 5.5 clms of resistivity and scattered positive micro-log separation. This zone should produce hydrocarbons and looks similar to the Wolgamott 1-9, located in section 9 - T35S - R14W. As a footnote it should be noted that approximately 20 feet below the Hertha zone, the gas chromatograph started recording an increase in background gas, with a maximum of 375 units being recorded. It is believed this is due to hydrocarbons bleeding into the mud system from the Hertha zone.

MISSISSIPPIAN

The Mississippian Detrital was absent in this bore-hole, due to a thin Cherokee section.

The top of the Mississippian Unconformity was topped at 4,829 (-3294) feet. Samples were described as off-white to cream tan, very fine to fine crystalline dolomite, with a trace of intercrystalline porosity. A 347-unit gas kick was recorded 10 feet into the Mississippian, and sustained near this level or higher for the remaining drilling of the well. Samples were described as tan to light brown fine crystalline, sucrosic dolomite with some pinpoint and vugular porosity being observed. A bright yellow fluorescence, good streaming cut, live oil staining and very good odor was observed. Electric logs indicate two porosity zones with the upper zone consisting of 18-feet of 16% porosity and 13 feet of positive micro-log separation. The lower porosity zone averages 15% porosity through 26 feet and has approximately 10 feet of micro-log separation.

A lower dolomite zone was encountered at 4,895 and was approximately 20-foot thick with scattered micro-log separation through an average porosity of 14%.

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ELECTRIC LOG TOPS

	JACK BENSON 1-3 SW SW 3-T35S-R14W	JACK WOLGAMOTT 1-9 C NE/4 9-T35S-R14W	CITIES SERVICE STERNBERGER 1-3 SW SE NW 3-T35S-R14W
CHASE (subsea)	2063 (-528)	2017 (-540)	2087 (526)
TOP PENN. (subsea)	3012 (-1477)	2968 (-1489)	3031 (-1470)
BS. HEEBNER (subsea)	3978 (-2443)	3938 (-2461)	4004 (-2443)
LANSING (subsea)	4156 (-2621)	4116 (-2639)	4181 (-2620)
STARK SHALE (subsea)	4670 (-3073)	4570 (-3093)	4624 (-3063)
CHEROKEE SH. (subsea)	4800 (-3265)	4766 (-3289)	4812 (-3251)
MISS DETRITAL (subsea)	ABSENT	4793 (-3316)	ABSENT
MISS UNCONFORM. (subsea)	4826 (-3294)	4818 (-3341)	4833 (-3272)

CONCLUSION

The Benson 1-3 was drilled as a north off-set to established production in the Hertha Limestone, Mississippian Detrital, and Mississippian Dolomites. Electric logs indicate 64 feet of potential pay in the Mississippian Dolomites, which should be highly productive after treatment.

The Hertha Limestone also should make commercial quantities of hydrocarbons and should be tested prior to abandonment of the well.

After all data was analyzed, the decision was made to set pipe and attempt completion in the above mentioned zones. I recommend perforating the Mississippian Dolomite from 4,840 - 4,858 & 4,864 - 4,890 & 4,895 - 4,915.

Respectfully submitted



Mike Pollok
Petroleum Geologist
10/22/01

15-007-22682-0000

ALLIED CEMENTING CO., INC. ORIGINAL 08585

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
McD. Lodge

DATE <u>10-9-01</u>	SEC. <u>3</u>	TWP. <u>352</u>	RANGE <u>14W</u>	CALLED OUT <u>6:00 AM</u>	ON LOCATION <u>8:30 A.M</u>	JOB START <u>11:15</u>	JOB FINISH <u>6:15</u>
LEASE <u>Benson</u> WELL# <u>1-3</u>			LOCATION <u>HARDNER - 10 1/2 W 1 N E into</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR <u>Duke Drq. Co.</u>	
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u> T.D. <u>297</u>	
CASING SIZE <u>8 5/8</u> DEPTH <u>295</u>	
TUBING SIZE DEPTH	
DRILL PIPE DEPTH	
TOOL DEPTH	
PRES. MAX <u>500</u> MINIMUM	
MEAS. LINE SHOE JOINT <u>42.19</u>	
CEMENT LEFT IN CSG. <u>42.19</u>	
PERFS.	
DISPLACEMENT <u>15 3/4</u>	
EQUIPMENT	

PUMP TRUCK # _____ CEMENTER <u>Shane Winsor</u>
HELPER <u>David Felio</u>
BULK TRUCK # _____ DRIVER <u>ERIC Holmes</u>
BULK TRUCK # _____ DRIVER

OWNER <u>Jack Explor.</u>
CEMENT
AMOUNT ORDERED <u>200 sq Class A 39cc</u>
<u>Top out 75 sq b5:35:6 39cc 1/4" Flo-seal</u>
<u>Top out 25 sq Class A 39cc</u>
COMMON <u>A 225 @ 6.65 1496.25</u>
POZMIX @ _____
GEL @ _____
CHLORIDE <u>10 @ 30.00 300.00</u>
<u>AKW 75 @ 6.30 472.50</u>
<u>FLO-SEAL 19# @ 1.40 26.60</u>
_____ @ _____
_____ @ _____
HANDLING <u>314 @ 1.10 345.40</u>
MILEAGE <u>314 x 30 .04 376.80</u>

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TOTAL 3017.55

WICHITA SERVICE

REMARKS:

on location Rigup - Get pipe on bottom break
circ pump 1720 spacer - start cement 4 1/2
bls slurry - Release Plug start displ. 4 BPM
100 PSF land plug 15 3/4 bls. out - Did
not circ cement to surface - Top out w/ 75sq
didn't circ cement to surface - Top out w/ 25sq
MORE circ cement to surface

DEPTH OF JOB <u>295</u>
PUMP TRUCK CHARGE _____ <u>520.00</u>
EXTRA FOOTAGE @ _____
MILEAGE <u>30 @ 3.00 90.00</u>
PLUG <u>1 W.P. 8 5/8" @ 45.00 45.00</u>
_____ @ _____
_____ @ _____

TOTAL 655.00

CHARGE TO: Jack Explor.
STREET _____
CITY FREEDOM STATE OKLA ZIP _____

FLOAT EQUIPMENT

<u>854</u>
<u>1-Cent. @ 55.00 55.00</u>
<u>1-Baffle Plate @ 45.00 45.00</u>
_____ @ _____
_____ @ _____
_____ @ _____

TOTAL 100.00

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 3772.55
DISCOUNT 377.26 IF PAID IN 30 DAYS
3395.29

SIGNATURE Alan Watson

ALAN WATSON
PRINTED NAME

15-007-22682-0000

ALLIED CEMENTING CO., INC.

ORIGINAL
08589

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:

McD Lodge

DATE <u>10-19-01</u>	SEC. <u>3</u>	TWP. <u>35</u>	RANGE <u>14</u>	CALLED OUT <u>8:30 A.M.</u>	ON LOCATION <u>11:00 A.M.</u>	JOB START <u>2:30 PM.</u>	JOB FINISH <u>5:00</u>
LEASE <u>Bensen</u>		WELL # <u>1-3</u>		LOCATION <u>10 1/2 West of HARTNER 15</u>		COUNTY <u>BARBER</u>	STATE <u>KS</u>
OLD OR (NEW) (Circle one)			<u>E into</u>				

CONTRACTOR Duke Drilling Co. OWNER Jack Explor.

TYPE OF JOB Prod. Csg.

HOLE SIZE 7 7/8 T.D. 4975'

CASING SIZE 4 1/2 DEPTH 4974'

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX 1300 MINIMUM 100

MEAS. LINE _____ SHOE JOINT 20.10

CEMENT LEFT IN CSG. 20.10

PERFS. _____

DISPLACEMENT 77 3/4

EQUIPMENT

PUMP TRUCK CEMENTER Shane W.

352 HELPER HARRY D.

BULK TRUCK _____

363-314 DRIVER Dwayne W.

BULK TRUCK _____

_____ DRIVER _____

CEMENT

AMOUNT ORDERED 200 sq H ASC #5 Kal-seal

1/4" Flo-seal

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

"H" ASC 200 @ 10.80 2160.00

Kal-seal 1000# @ .50 500.00

Flo-seal 50# @ 1.40 70.00

CLAPRO 8 bbls @ 22.90 183.20

_____ @ _____

HANDLING 256 @ 1.10 281.60

MILEAGE 256 x 30 .04 307.20

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TOTAL 3502.00

WICHITA

REMARKS:

on location Rig up - Get pipe on bottom
break circ - Pump H2O spacer - Pump 50sx
of HASC at 12.0 PPG. for scavenger cement
Pump 150 sx HASC. as normal 14.3 PPG.
Wash pump + lines - Release Plug Start
Displ. 6 BPM 100 PSI - 55 out see lift 25'
slow to 4BPM 200 PSI - 4:45 land Plug
77 3/4 bbl out Release PSI Float held -

SERVICE

DEPTH OF JOB 4974

PUMP TRUCK CHARGE 1264.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 30 @ 3.00 90.00

PLUG Rubber 4 1/2" @ 48.00 48.00

_____ @ _____

_____ @ _____

TOTAL 1402.00

CHARGE TO: Jack Explor.

STREET _____

CITY FREEDOM STATE OKLA ZIP _____

FLOAT EQUIPMENT

4 1/2

1- Reg Guide shoe @ 125.00 125.00

1- AFV Insert @ 210.00 210.00

3- Cent @ 45.00 135.00

3- Spiralizers @ 237.00 711.00

_____ @ _____

TOTAL 1181.00

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 6085.00

DISCOUNT 608.50 IF PAID IN 30 DAYS

5476.50

SIGNATURE

A. Watson

A. WATSON

PRINTED NAME