

**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 # 3040
Name: JACK EXPLORATION, INC.
Address: P.O. BOX 1279
City/State/Zip: SULPHUR, OK 73086
Purchaser: _____
Operator Contact Person: JAMES R. JACK
Phone: (580) 622-2310
Contractor: Name: DUKE DRILLING CO., INC.
License: 5929
Wellsite Geologist: _____

API No. 15 - 007-22109-00-01
County: BARBER CO., KS
C W /2 NE Sec. 10 Twp. 34 S. R. 13 East West
1320 feet from S / (N) (circle one) Line of Section
1680 feet from (E) / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) SE NW SW
Lease Name: DONOVAN OWWO Well #: 1-4
Field Name: WC
Producing Formation: DOUGLAS SAND

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

Elevation: Ground: 1660' Kelly Bushing: 1673'
Total Depth: 4269' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 522 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.

If Workover/Re-entry: Old Well Info as follows:
Operator: AMERICAN ENERGIES CORPORATION
Well Name: DONOVAN A-1
Original Comp. Date: 1/1/66 Original Total Depth: 4840'
 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. _____
2/27/03 2/28/03 3/22/03
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

Drilling Fluid Management Plan Alt 1 En 4.10.03
(Data must be collected from the Reserve Pit)
Chloride content 3 ppm Fluid volume 300 bbls
Dewatering method used HAUL OFF & DEHYDRATION
Location of fluid disposal if hauled offsite:
Operator Name: OIL PRODUCERS OF KANSAS
Lease Name: MAY 13-3 License No.: 8061
Quarter C NW 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: *James R. Jack*
Title: President Date: 4/1/2003
Subscribed and sworn to before me this 1st day of April,
2003
Notary Public: *Wendy Harris*
Date Commission Expires: 6-16-2005

KCC Office Use ONLY

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

Operator Name: JACK EXPLORATION, INC. Lease Name: DONOVAN OWWO Well #: 1-4
 Sec. 10 Twp. 34 S. R. 13 East West County: BARBER CO., KS

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 <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: INDUCTION	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;"><input checked="" type="checkbox"/> Log</td> <td style="width:60%;">Formation (Top), Depth and Datum</td> <td style="width:30%;">Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>BS HEEBNER</td> <td>4592</td> <td></td> </tr> <tr> <td>DOUGLAS SAND</td> <td>4026</td> <td></td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample	Name	Top	Datum	BS HEEBNER	4592		DOUGLAS SAND	4026	
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	Sample											
Name	Top	Datum											
BS HEEBNER	4592												
DOUGLAS SAND	4026												

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
EXISTING SURF				522'			
PRODUCTION	7 7/8"	4 1/2"	11.6#	4190'	CLASS H	150	5#/sk korseal
							1/4# floseal

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 checked="" type="checkbox"/> Plug Off Zone	4040-41	CLASS A	40	

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
4/FT	4025-4030		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8		4013	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Date of First, Resumed Production, SWD or Enhr.	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
		706,000	0		6707

Disposition of Gas	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	

ORIGINAL ALLIED CEMENTING CO., INC. 12281

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
MEDICINE LODGE

3/14/03

DATE <u>3/15/03</u>	SEC. <u>10</u>	TWP. <u>34s</u>	RANGE <u>13w</u>	CALLED OUT <u>2:00 PM</u>	ON LOCATION <u>8:30 AM</u>	JOB START <u>9:20 AM</u>	JOB FINISH <u>AM</u>
LEASE <u>DONOVAN</u>		WELL # <u>1-A</u>		LOCATION <u>UNION CHAPEL 3, 13w</u>		COUNTY <u>BARBER</u>	STATE <u>KANSAS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR R+R Well Svc.

TYPE OF JOB PERF. SQUEEZE

HOLE SIZE _____ T.D. _____

CASING SIZE 4 1/2" X 11.6" DEPTH _____

TUBING SIZE 2 3/8" DEPTH 3941'

DRILL PIPE _____ DEPTH _____

TOOL PACKER DEPTH 3941'

PRES. MAX _____ MINIMUM _____

MEAS. LINE 2000# SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. 4040-41' 4 SLOTS

DISPLACEMENT 16 BBLs. FRESH H2O

OWNER JACK EXPLORATION

CEMENT AMOUNT ORDERED _____

100% CLASS A NEAT

USED 40%

COMMON <u>A 40</u>	@ <u>6.65</u>	<u>266.00</u>
POZMIX _____	@ _____	_____
GEL _____	@ _____	_____
CHLORIDE _____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
_____	@ _____	_____
HANDLING <u>180</u>	@ <u>1.10</u>	<u>110.00</u>
MILEAGE <u>20</u>	<u>- MINIMUM</u>	<u>100.00</u>

RECEIVED

APR 07 2003

TOTAL 476.00

EQUIPMENT

PUMP TRUCK CEMENTER KEVIN BRUNBARDT

372 HELPER MARK BRUNBARDT

BULK TRUCK

242 DRIVER MITCH WELLS

BULK TRUCK

_____ DRIVER _____

REMARKS:

PRESSURE ANNOUNCS TO 500# / 1/2 BBL.
TAKE INT. RATE 1 1/2 BPM @ 600#
DIRTY 40% CLASS A
WASH PUMP & LINES
DISPLACE WITH 15 3/4 BBLs + STOP
STAGE FOR 10 MINUTES TO 2000# / 1 1/4 BBL.
RELEASE PRESSURE & FLOODS, REVERSE
OUT/20 BBLs - FULL TBG & PRESSURE
CASING TO 500# / 1 BBLs + SHUT IN

KCC WICHITA

SERVICE

DEPTH OF JOB _____	<u>4041'</u>	
PUMP TRUCK CHARGE _____		<u>1195.00</u>
EXTRA FOOTAGE _____	@ _____	_____
MILEAGE <u>20</u>	@ <u>3.00</u>	<u>60.00</u>
PLUG _____	@ _____	_____
<u>SQUEEZE MANIFOLD</u>	@ <u>75.00</u>	<u>75.00</u>

RECEIVED

APR 07 2003

TOTAL 1330.00

CHARGE TO: JACK EXPLORATION

STREET _____

CITY FREEDOM STATE OKLA ZIP _____

KCC WICHITA 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.

SIGNATURE Alan Watson

PRINTED NAME

Net \$1625.40

TAX _____

TOTAL CHARGE 1806.00

DISCOUNT 180.60 IF PAID IN 30 DAYS

TOTAL _____

ORIGINAL

ALLIED CEMENTING CO., INC. 11019

Federal Tax I.D.# 48-0727860

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

SERVICE POINT:
Med Lodge

DATE <u>2-28-03</u>	SEC. <u>10</u>	TWP. <u>34S</u>	RANGE <u>13W</u>	CALLED OUT <u>6:00 AM</u>	ON LOCATION <u>8:30 AM</u>	JOB START <u>12:30 PM</u>	JOB FINISH <u>1:08 PM</u>
LEASE <u>Donovan</u>	WELL # <u>1-A</u>	LOCATION <u>Union Chapel</u>			COUNTY <u>Barber</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>3 S 13 W</u>				

CONTRACTOR Duke #7

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4269

CASING SIZE 4 1/2 x 1 1/2 DEPTH 4192

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL latch down DEPTH 4150

PRES. MAX 1700 MINIMUM _____

MEAS. LINE _____ SHOE JOINT 1/2

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 64 3/4 BBLs 2% KCL water

EQUIPMENT

PUMP TRUCK CEMENTER Justin Hart

353-302 HELPER Dwayne West

BULK TRUCK

364 DRIVER Mitch Wells

BULK TRUCK

_____ DRIVER _____

OWNER Jack Exploration

CEMENT

AMOUNT ORDERED 50 sx H ASC + 5[#] Kcl-seal + 1/4[#] Flo-seal

100 sx H ASC + 5[#] Kcl-seal + 1/4[#] Flo-seal

COMMON	_____	@	_____
POZMIX	_____	@	_____
GEL	_____	@	_____
CHLORIDE	_____	@	_____

Class H ASC	150	@	10.05	1507.50
Kcl-seal	250 [#]	@	.50	375.00
Flo-seal	38 [#]	@	1.40	53.20
Clapco	7 gals	@	22.90	160.30
HANDLING	192	@	1.10	211.20
MILEAGE	192 x 20		.04	153.60

TOTAL 2462.80

REMARKS:

Pipe on BTM break Circ
shut down Drop Ball Set Triplex
shoe Cir with Rig
50 sx H ASC @ 13[#] = 18 BBLs
100 sx H ASC @ 14.5[#] = 28 BBLs
Release Plug Disp 64 3/4 BBLs 2%
KCL water and Plug 600-1700[#]
Release Press Floct Held

SERVICE

DEPTH OF JOB 4192

PUMP TRUCK CHARGE _____ 1195.00

EXTRA FOOTAGE _____ @ _____

MILEAGE 20 @ 3.00 60.00

PLUG _____ @ _____

CHARGE TO: Jack Exploration

STREET _____

CITY _____ STATE _____ ZIP _____

RECEIVED

APR 07 2003

KCC WICHITA

FLOAT EQUIPMENT

<u>4 1/2</u>	<u>Triplex shoe</u>	@	1300.00	1300.00
	<u>latch down plug</u>	@	300.00	300.00
<u>2</u>	<u>spiralizers</u>	@	237.00	474.00
<u>1</u>	<u>Centralizer</u>	@	45.00	45.00

TOTAL 2119.00

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.

SIGNATURE Alan Watson

TAX _____

TOTAL CHARGE 5834.80

DISCOUNT 583.48 IF PAID IN 30 DAYS
\$ 5251.32

PRINTED NAME _____

RECEIVED

APR 07 2003

KCC WICHITA

DAILY REPORT

JACK EXPLORATION, INC.

Donovan 1-A

C W/2 NE Sec. 10-34S-13W

Barber Co., KS

2-23-03

Rig up Duke Drilling, Rig #7, Saturday. Drill mouse and rat hole. Will start Sunday.

2-24-03

Did not start wash down. Shut down for weather.

2-27-03

Presently laying down drill pipe to run csg. Broke tour 7:00 am Thursday morning. Pickup 7 7/8" reamer, drill collar, and another 7 7/8" reamer and 5 more drill collars after drilling out 10' plug @ surface. Washed down to 40' and hit hard cement. Drilled 150' of hard cement to 550'. Washed down to 2000' before hole got tight. Did not see plug @ 1325'. Circulated up some real thick cement contaminated mud @ 1440'. Trip out of hole, lay down reamers. Trip in hole and washed hole down to 4269'. Circulated and condition mud for 2 1/2 hrs. No gas was indicated throughout wash down.

2-28-03

7:00 am. Finished laying down drill pipe and drill collars. Pickup 4 1/2" triplex shoe and 100 jts of 4 1/2" 11.6# csg and land bottom of production csg @ 4190'. Centralizers @ 4064', 4021', 3979'. PBTD @ 4177'. Circulated hole for 30 min. Drop ball and open triples shoe, circ 10 min. Rig up Allied and cement w/ 50 sxs scavenger cement followed w/ 100 sxs Class H w/ 5# kol-seal, 1/4# flo-seal. Maintained circulation throughout job. Bumped plug @ 1:00 pm. Set slips. Clean pits, released rig @ 4:00 pm. Took 33 hrs to do job.

3-12-03

Rig up Falcon Wireline and run bond log. Top of cement of good cement 3344'. Set anchors and weld on production head. PBTD @ 4145'.

3-13-03

Move in rig up R & R Well Service.

3-14-03

Deliver 149 jts of 2 3/8" tbg (4870') from Wolgamott 2-9, also used 75 jts of 4 1/2" csg from Wolgamott 2-9 (3150'), 30 jts 4 1/2" csg from Johnson 1-15 (1260'). Pickup 127 jts 2 3/8" 4.7# tbg and tag PBTD @ 4147'. Pressure test csg to 2500 psi. Good test. Trip out of hole. Rig up Falcon Wireline and perforate squeeze holes @ 4040-4041', 4 shots @ 90° angle. Pressure up casing to 2000 psi, broke back to 450 psi @ 1 bpm, shut down pressure dropped to 75 psi. Trip in hole w/ pkr and 120 jts tbg and set pkr @ 3940'. Shut in well. Will squeeze in morning.

3-15-03

Rig up Allied Cementing and pressure annulus to 500 psi. Established rate down tbg @ 1 1/2 bbls per minute @ 600 psi. Mix 40 sxs Class A cement (8 bbls). Pump down tbg and displace w/ 15 3/4 bbls wtr, stop pumping. Pressure increased to 1000 psi w/ 7 bbls cement in formation, 1 1/2 bbls left between pkr and squeeze holes, pressure fell to 400 psi after shutting down, and held. Wait 4 min, and pressure up to 1800 psi, stopped, pressure dropped to 800 psi. Wait 4 min, pressure up to 2000 psi, pressure held. Release pressure, no flow back. Pressure back up to 2000 psi for 5 min pressure held. Release packer; reverse out w/ 20 bbls wtr. Pull pkr and tbg out of hole. Shut in well and pressure csg to 500 psi and left shut in until Monday morning.

3-17-03

Pressure on csg after shut in over weekend 400 psi. Pickup 4 drill collars and 4 1/2 bit and csg scrapper, and tag cement @ 4000'. Have 40' of cement to drill out. Drill out cement. Pressure test well to 2500 psi, pressure will drop 1000# in 1 1/2 min. Cannot pump into formation. Isolated pump from well on pressure test, same results. Calling pressure test good. Swab well down to 2500', TOH w/ DC and bit. Rig up Falcon Wireline, fluid level @ 2980' before Perforating well. Perforated Douglas Formation from 4025-4030, 4 SPF, Total of 20 shots. Fluid level came up 250 after shooting gun. Pick up Model R pkr and SN, trip in hole, 17 strands in hole, wells started flowing. Killed well w/ 80 bbls wtr. Continue in hole to land. Well started flowing while trying to land. Shut in BOP. Will land in morning.

3-18-03

After shut in overnight, TP 400, CP 400. Bled pressure off to tank, well dead. Nipples down BOP, and install tree. Set pkr @ 4012.93' w/ 122 jts 2 3/8" tbg (3993.83'), SN (1.1'), Model R Pkr (6'), KB 12'). Flanged up wellhead. Made 1 swab run, well started flowing. Flowed to pit until well unloaded and put to frac tank on 24/64 choke.

9:00am	240	24	0	Put well to tank
10:00am	260	24	3.5	
11:00am	300	24	1/2	
12:00am				No check
1:00pm	310	24	0	Well making fog, no wtr falling out. Making approx. 1,000,000 cubic ft gas per day calculated.

Shut in well. Rig down. Will build production equipment when location dries up.

3-19-03

After shut in 24 hrs, TP 780 psi. Well pull gas sample in morning.

3-21-03

After shut in 48 hrs, TP 780 psi. Put well on 16/64 choke and flowed back as follows:

7:30am	780	0	16	
8:30am	640	1 1/2	16	
9:30am	580	1 1/2	16	
10:30am	540	0	16	
11:30am	520	0	16	Well making 785,000 cubic ft gas per day through 16/64 choke.

Left well flowing to tank to get 24 hr test.

ORIGINAL

3-22-03

After flowing well 26 hrs, flowing TP 480 psi. Well making 706,000 ft gas per day through 16/64 choke, while maintaining 480# TP. Recovered 1 bbls fluid in last 24 hrs. Shut in well.

4-01-03

Install 3" meter run w/ 0-100" X 250# Barton meter, SN 184506. Installed 6500 psi Line Heater w/ auto shut off, SN C-2542. Installed 30" x 10' 2-stage Separator, Working Pressure 500#, SN 01-3010-500-01. Installed 4' x 20' Heater Treater, WP 50#, SN 31150. 12' x 15' 300 bbl Fiberglass Wtr Tank, SN 3365-01, made 10-23-01. Installed 12' x 15' 30 bbls Steel oil tank, SN 31626, made 9-01. Ready for pipeline.