

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- 175-21323 <sup>0000</sup> **CONFIDENTIAL**  
County SEWARD  
C - NW - NE - SW Sec. 36 Twp. 31 Rng. 32 <sup>E</sup> <sub>W</sub>

Operator: License # 9262  
Name: LOWRY EXPLORATION, INC  
Address P O BOX 1847  
830 COUNTRY ESTATES ROAD  
City/State/Zip LIBERAL, KS 67901

2310' Foot from S (circle one) Line of Section  
1650' Foot from E (circle one) Line of Section

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

Purchaser: \_\_\_\_\_  
Operator Contact Person: NED E LOWRY  
Phone ( 316 ) 624-8141 **KCC**

Lease Name DOUGLAS Well # 8-1

Field Name THIRTY-ONE FIELD

Contractor: Name: GABBERT-JONES **OCT 2 1**

Producing Formation UPPER MORROW & ATOKA

Elevation: Ground 2841' KB 2853'

Total Depth 5755 PBTD 5649

License: \_\_\_\_\_ **CONFIDENTIAL**

Amount of Surface Pipe Set and Cemented at 1740' Feet

Wellsite Geologist: R G LOWRY

Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes X No

Designate Type of Completion  
X New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover

If yes, show depth set \_\_\_\_\_ Feet

\_\_\_\_\_ Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW \_\_\_\_\_ Temp. Abd.  
X Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
\_\_\_\_\_ Dry \_\_\_\_\_ Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from \_\_\_\_\_

foot depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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

Drilling Fluid Management Plan ACT 102-2194  
(Data must be collected from the Reserve Pit) DW

Operator: \_\_\_\_\_ **RELEASED**

Chloride content 3000 ppm Fluid volume 800 bbls

Well Name: \_\_\_\_\_

Dewatering method used \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth NOV 2 1 1994

Location of fluid disposal if hauled offsite: \_\_\_\_\_

\_\_\_\_\_ Deepening \_\_\_\_\_ Re-perf. \_\_\_\_\_ Copy to Inj/SWD  
\_\_\_\_\_ Plug Back \_\_\_\_\_ **FROM CONFIDENTIAL**  
\_\_\_\_\_ Comingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
\_\_\_\_\_ Other (SUD or Inj?) \_\_\_\_\_ Docket No. \_\_\_\_\_

Operator Name LOWRY EXPLORATION, INC

Lease Name DOUGLAS 8-1 License No. 9262

SW Quarter Sec. 36 Twp. 31N S Rng. 32 <sup>E</sup> <sub>W</sub>

8/14/93 8/24/93 10/11/93  
Spud Date Date Reached TD Completion Date

County SEWARD 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 Ned E Lowry  
Title PRESIDENT Date 10/21/93

Subscribed and sworn to before me this 21ST day of OCTOBER, 19 93.

Notary Public Helen C. Berg

Date Commission Expires \_\_\_\_\_

NOTARY Public, State of Kansas  
**HELEN C. BERG**  
My Appt. Exp. 7-13-95

K.C.C. OFFICE USE ONLY  
F X Letter of Confidentiality Attached  
C X Wireline Log Received  
C \_\_\_\_\_ Geologist Report Received  
**RECEIVED**  
DISTRIBUTION  
KCC \_\_\_\_\_  
KGS \_\_\_\_\_  
Plug \_\_\_\_\_  
**OCT 25 1993**  
CONSERVATION DIVISION  
Form ACO-1 Wichita, Kansas

Operator Name LOWRY EXPLORATION, INC Lease Name DOUGLAS Well # 8-1  
 Sec. 36 Twp. 31N Rge. 32  East  West  
 County SEWARD

**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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	2650 +	203
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Hebher Shale	4238 -	1385
List All E.Logs Run:		Morrow Shale	5482 -	2629
<u>COMPENSATED NEUTRON DENSITY</u>		Chester	5564 -	2711
<u>DUAL INDUCTION</u>				
<u>CEMENT BOND</u>				

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" 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
SURFACE		8 5/8"	24	1740	HALCO LITE	745	Gel 2% CC 2%
PRODUCTION		4 1/2"	10.6	5750	HALCO LITE HALCO EXP	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	5468 - 72	300 Gal-7 1/2% F E Acid	
4	5542 1/2 - 5544 1/2		

<b>TUBING RECORD</b>		Size <u>2 3/8"</u> Set At <u>5465</u> Packer At <u>N/A</u> Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	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 <u>6 Bbls.</u> Gas <u>230 Mcf</u> Water <u>6 Bbls.</u> Gas-Oil Ratio <u>43</u> Gravity <u>38.333</u>	

Disposition of Gas: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	METHOD OF COMPLETION <input type="checkbox"/> On Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Conningled <input type="checkbox"/> Other (Specify)	Production Interval <u>5468-82</u> <u>5542-5544</u>
---	---	---

CONFIDENTIAL

ORIGINAL

GABBERT-JONES, INC.  
WICHITA, KANSAS

- DRILLERS' WELL LOG -

WELL NAME: DOUGLAS 8-1

API #15-175-21323

SW/4 SEC: 36-31S-32W

KCC

SEWARD COUNTY, KANSAS

OCT 21

COMMENCED: 8-14-93

COMPLETED: 8-26-93

OPERATOR: LOWERY EXPLORATION INC. **CONFIDENTIAL**

DEPTH From	To	FORMATION	REMARKS
0	1190	sand-clay	
1190	1195	redbed	Ran 40jts of 24#8 5/8" csg
1195	1350	glorietta sand	set @1740'w/590sks halcolite
1350	1427	shale-redbed	1/4#FS-2%CC-150sks
1427	1449	shale	class C-1/4#FS-2%CC
1449	1800	redbed	PD@12:30am 8-17-93
1800	2140	sand-redbed	
2140	5750	lime-shale	

5750-TD

RELEASED

NOV 21 1994

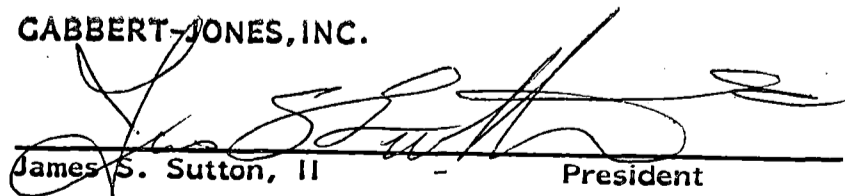
FROM CONFIDENTIAL

Ran 140jts of 10 1/2 #4 1/2"  
csg LD@ 5748'w/50sks  
howcolite 6%gel-150sks  
class H expanding-15%salt  
.6% halid 322-10%CA 2  
PD @ 8:30pm 8-25-93  
RR @ 1:00am 8-26-93

STATE OF KANSAS ]  
COUNTY OF SEDGWICK ]

I, the undersigned, being duly sworn on oath, state that the above Drillers' Well Log is true and correct to the best of my knowledge and belief and according to the records of this office.

GABBERT-JONES, INC.

  
James S. Sutton, II President

Subscribed & sworn to before me this 30th day of August 1993

  
Brenda L. Raple, Notary Public

My commission expires October 16, 1996.

NOTARY PUBLIC - State of Kansas  
BRENDA L. RAPLE  
My Appt. Exp. 10/16/96

RECEIVED  
STATE CORPORATION COMMISSION

OCT 25 1993

CONSERVATION DIVISION  
Wichita, Kansas

CUSTOMER COPY



HALLIBURTON ENERGY SERVICES

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

INVOICE

ORIGINAL

CONFIDENTIAL

INVOICE NO.	DATE
507349	08/16/1993

WELL/LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
Douglas 6-1	SEWARD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	N/A	CEMENT SURFACE CASING	08/16/1993
NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
25349	NED E. LOWRY		
			SHIPPED VIA
			COMPANY TRUCK
			FILE NO.
			54983

LOWRY EXPL., INC.  
BOX 1847  
LIBERAL, KS 67901

KCC  
OCT 21  
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:  
OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	RICING AREA - MID CONTINENT MILEAGE	25 MI		2.75	68.75 *
001-016	CEMENTING CASING	1742 FT		1,105.00	1,105.00 *
16A	CASING SHOE - 8 5/8" BRD THD	1 EA		161.00	161.00 *
830.2171					
24A	INSERT FLOAT VALVE - 8 5/8" 8	1 EA		171.00	171.00 *
815.19502					
27	FILL-UP UNIT 7"- 8 5/8"	1 EA		55.00	55.00 *
815.19415					
10	CENTRALIZER 8-5/8" X 12.5"	3 EA		72.00	216.00 *
807.93059					
030-018	CEMENTING PLUG SW, PLASTIC T	8 5/8 IN		130.00	130.00 *
009-027	CMT THRU TBG-DRILL STEM ADD	5 HR		195.00	975.00 *
004-050	CEMENT - PREMIUM PLUS	150 SK		8.95	1,342.50 *
004-120	CEMENT - HALL. LIGHT PREM PL	595 SK		8.05	4,789.75 *
007-210	FLOCELE	186 LB		1.40	260.40 *
009-406	ANHYDROUS CALCIUM CHLORIDE	13 SK		28.25	367.25 *
000-207	BULK SERVICE CHARGE	783 CFT		1.25	978.75 *
000-306	MILEAGE CMTO MAT DEL OR RETU	877.637 TMI		.85	745.99 *

RELEASED

NOV 21 1994

FROM CONFIDENTIAL

CTG  
24

INVOICE SUBTOTAL

11,366.99

DISCOUNT--(BID)  
INVOICE BID AMOUNT

3,978.21-  
7,388.18

\*-KANSAS STATE SALES TAX  
\*-SEWARD COUNTY SALES TAX

362.01  
73.89

INVOICE TOTAL - PLEASE PAY THIS AMOUNT

\$7,824.08

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 10% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 8% of the unpaid account, plus all collection and court costs.

CUSTOMER COPY

INVOICE



HALLIBURTON ENERGY SERVICES

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

ORIGINAL

CONFIDENTIAL

INVOICE NO.	DATE
507613	08/25/1998

WELL LEASE NO./PROJECT	WELL/PROJECT LOCATION	STATE	OWNER
DUGLAS G-1	SEWARD	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	TICKET DATE
LIBERAL	D & J OIL	CEMENT PRODUCTION CASING	08/25/1998
INVOICE NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
28343	NED E. LOWRY		
		SHIPPED VIA	FILE NO.
		COMPANY TRUCK	55554

KCC

LOWRY EXPL., INC.  
BOX 1847  
LIBERAL, KS 67901

OCT 2 1

CONFIDENTIAL

DIRECT CORRESPONDENCE TO:

OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

INVOICE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
000-117	MILEAGE	20 MI		2.75	55.00
		1 UNT			
001-016	CEMENTING CASING	5728 FT		1,650.00	1,650.00
		1 UNT			
030-016	CEMENTING PLUG SW ALUM TOP	4.5 IN		45.00	45.00
		1 EA			
12A	GUIDE SHOE - 4 1/2" BRD THD.	1 EA		95.00	95.00
825.201					
24A	INSERT FLOAT VALVE - 4 1/2" B	1 EA		73.00	73.00
815.19101					
27	FILL-UP UNIT 4 1/2"-5"	1 EA		45.00	45.00
815.19111					
40	CENTRALIZER 4-1/2 X 7 7/8 B	1 EA		43.00	258.00
807.93004					
218-738	CLAYFIX II	3 GAL		21.50	64.50
504-118	CEMENT - HALL. LIGHT PREMIUM	50 SK		7.89	394.50
504-043	CEMENT - PREMIUM	150 SK		8.69	1,303.50
507-775	MALAD-322	85 LB		6.90	586.50
508-127	DAL SEAL 60	14 SK		20.70	289.80
509-968	SALT	1201 LB		12.13	156.13
500-306	MILEAGE CMTG MAT DEL OR RETU	276.66 TMI		.85	235.16
507-225	KWIK SEAL	150 CFT		118.95	118.95
500-207	BULK SERVICE CHARGE	386 CFT		1.25	482.50
500-306	MILEAGE CMTG MAT DEL OR RETU	704.8 TMI		.85	599.08

RELEASED

NOV 2 1 1994

FROM CONFIDENTIAL

*Don't know*  
*1*  
*Spring*  
*705*

INVOICE SUBTOTAL	6,451.02
DISCOUNT-(BID)	1,612.72-
INVOICE BID AMOUNT	4,838.30
*-KANSAS STATE SALES TAX	166.29

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer

INVOICE



HALLIBURTON ENERGY SERVICES

REMIT TO: P.O. BOX 951046 DALLAS, TX 75395-1046

ORIGINAL CONFIDENTIAL

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
DUGLAS 8-1		SEWARD		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE			TICKET DATE
LIBERAL	D & J DRL	CEMENT PRODUCTION CASING			08/25/1993
LINE NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	PLENO.
25343	NED E. LOWRY			COMPANY TRUCK	55554

LOWRY EXPL., INC.  
BOX 1947  
LIBERAL, KS 67901

KCC  
OCT 21  
CONFIDENTIAL

DIRECT CORRESPONDENCE TO:  
OKLAHOMA TOWER  
210 WEST PARK AVENUE  
SUITE 2000  
OKLAHOMA CITY, OK 73102-5601

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
	*--SEWARD COUNTY SALES TAX				33.95

RELEASED  
NOV 21 1994  
FROM CONFIDENTIAL

*Douglas 8-1  
Cement 4 1/2" long  
Spring 5/8"*

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

\$5,036.50

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay all attorney fees of 20% of the unpaid account, plus all collection and court costs.