

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

JUL 17  
CONFIDENTIAL

API NO. 15- 155-21,201-0000  
County Reno ✓  
75'S & 100'E of  
NW SE ✓ Sec. 20 Twp. 24 Rge. 8 X ✓

Operator: License # 6120

Name: Cabot Oil & Gas Corporation ✓

Address 9400 N. Broadway - Suite 608

City/State/Zip Oklahoma City, OK 73114

Purchaser: Cabot Oil & Gas Marketing Corporation

Operator Contact Person: Jim Pendergrass

Phone (405) 478-6500

Contractor: Name: Duke Drilling Co., Inc. ✓

License: 5929

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion

- New Well  Re-Entry  Workover
- Oil  SWD  SLOW  Temp. Abd.
- Gas  ENHR  SIGW
- 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. \_\_\_\_\_

05-26-92 ✓ 06-04-92  
Spud Date Date Reached TD Completion Date

2235 ✓ Feet from S (circle one) Line of Section

2210 ✓ Feet from E (circle one) Line of Section

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

Lease Name Margie, McIvar, Rush Well # 1-20

Field Name Abbeyville

Producing Formation Dry Hole - See attached pluggi

Elevation: Ground 1634 ✓ KB 1642

Total Depth 4230 PBTB 3873

Amount of Surface Pipe Set and Cemented at 214 ✓ 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 cont.

Drilling Fluid Management Plan ACT 9-492 ✓  
(Data must be collected from the Reserve Pit)

Chloride content 10,000 ppm Fluid volume 1853 bbls

Dewatering method used Hauled

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

Operator Name C&C Tank Service

Lease Name Roach SW Disposal License No. 30708

SW Quarter Sec. 14 Twp. 23 S Rng. 9 NE

County Reno ✓ Docket No. 22208

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 Jim R. Pendergrass  
Title Drilling Superintendent Date 6/30/92

Subscribed and sworn to before me this 30 day of June, 19 92.

Notary Public Roberta E. Mitchell Roberta E. Mitchell

Date Commission Expires November 9, 1992

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached

C  Wireline Log RECEIVED

RELEASED

STATE CORPORATION COMMISSION

Distribution: 8-12-92

AUG 29 1992 AUG 29 1992 MEGA

KGS Plug Other

FROM CONFIDENTIAL (Specify)

Wichita, Kansas

Operator Name Cabot Oil & Gas Corporation Lease Name Margie, McIvar, Rush Well # 1-20  
 Sec. 20 Twp. 24 Rge. 8  East  West County Reno

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Chase	1408	Miss 3764
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Council Grove	1666	Kinderhook 3854
List All E Logs Run:		Foraker	2023	Viola 4080
BHC Acoustilog - Gamma Ray		Indian Cave	2173	Simpson 4123
Dual Induction Focused Log - Gamma Ray		Stotler	2360	Arbuckle 4198
Caliper Log - Gamma Ray		Howard	2585	TD 4230
Minilog - Gamma Ray		Topeka	2700	
Compensated Neutron - Densilog		Base/Heebner	3050	
		Lans	3245	
		Stark	3520	
		Cherokee	3713	

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"	28#	214'	60/40 poz	165 175	2% gel 3% cc.
Production	7-7/8"	5 1/2"	15.5#	3929'	40/60 poz	135	10% salt 2% gel

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 spf	Lower Miss	15% NE-FE Acid - 1000 gals 7 1/2% NE-FE Acid - 350 gals	3819-23
4 spf	Upper Miss	Acidized w/500 gal 15% NE-FE	3763-69
4 spf	Cherokee	Acidized w/500 gal 7 1/2% & 3500 gals	
4 spf	Miss Chert	15% NE-FE Acid Acidized 1000 gals	3733-37 3763-67

TUBING RECORD	Size	Set At CIBP	Packer At 3675'	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, (SUD or in)	Producing Method			<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> P&A 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 Production Interval

ORIGINAL

Phone 913-483-2627, Russell, Kansas  
Phone 316-793-5861, Great Bend, Kansas

JUL 17

Phone Plainville 913-434-2812  
Phone Ness City 913-798-3843

**ALLIED CEMENTING CO., INC.** N<sup>o</sup> 2464

Home Office P. O. Box 31 Russell, Kansas 67665

New

Well No.	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
5-26-92	20	24	8		5:15 P.M.	8:30 P.M.	9:00 P.M.
Archie Rush	Well No. #	1-20	Location	Plowing	4E, 2S, 4E, 4S	County	KS

Contractor	Duke Rig # 2
Type Job	Surface
Drill Size	12 1/4" T.D. 215'
Drill Bit	8 3/4" (28 #) used
Drill Depth	215'
Drill Pipe	Depth
Drill Log	Depth
Amount Left in Csg.	15'
Shoe Max.	PPST = 300 #
Displace	12 1/2 bbl.

Owner	Calbot Oil & Gas Corp.
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	Duke Drilling Co. Inc.
Street	Box 823
City	Great Bend State Ko. 67530
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
x John W. ...	

**CEMENT**

Amount Ordered	165 yds @ 40 220 gal @ 370 cc
Consisting of	
Common	99 5.25 519.75
Poz. Mix	66 2.25 148.50
Gel.	3 6.75 N/C
Chloride	5 21.00 105.00
Quickset	

**EQUIPMENT**

No	Cementor	Helper	Driver
181	Tim	Carry	
			Mark
101			

Handling	165	1.00	165.00
Mileage	30	adj to Bid	N/C
Total			938.25

REFERENCE:	Pump Truck Charge	380.00
30	Pump Truck Mileage	60.00
1	8 3/4" Wooden Plug	42.00
Total		482.00

Remarks: Cement Did Circulate

**RECEIVED**

KANSAS CORPORATION COMMISSION

RELEASED

AUG 02 1993

AUG 14 1992

FROM CONFIDENTIAL

CONSERVATION DIVISION  
WICHITA, KS

1136.20

ORIGINAL

HALLIBURTON SERVICES

JUL 17

P.2/7 TICKET

NO. 214815

A Division of Halliburton Company

CONFIDENTIAL

FORM 1905 R-11

WELL NO. - FARM OR LEASE NAME 1-20 MARGIE VICTOR Bush		COUNTY RENO	STATE KS	CITY / OFFSHORE LOCATION	DATE 6-3-92
CHARGE TO CANNOT OIL GAS CO		OWNER SAME		MONEY TYPE (CHECK ONE) REBATE <input type="checkbox"/> SALES <input type="checkbox"/>	
ADDRESS 4400 W BRUNNARDY - Suite 608		CONTRACTOR Duke DeLo #2		METHANOL JOB YES <input type="checkbox"/> NO <input type="checkbox"/>	
CITY, STATE, ZIP OKLA CITY OK 73114		FREIGHT CHARGES 4410 <input type="checkbox"/> FPD <input type="checkbox"/> BULK <input type="checkbox"/>		LOCATION CODE 1 PRATT KS 25555	
WELL TYPE 01		WELL PERMIT NO. B-117865		LOCATION CODE 2	
TYPE AND PURPOSE OF JOB 035		ORDER NO. Wellsite		LOCATION CODE 3	
				REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's contract price list. Customer agrees to pay the 20% of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the 15th day of the month following the month in which the invoice is dated, Customer agrees to pay the 20% of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the 15th day of the month following the month in which the invoice is dated, Customer agrees to pay the 20% of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the 15th day of the month following the month in which the invoice is dated, Customer agrees to pay the 20% of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the 15th day of the month following the month in which the invoice is dated, Customer agrees to pay the 20% of the following month after date of invoice.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
000-117		1		MILEAGE	35	mi			260	91.00
001-016		1		PUMP CHARGE	3929	ft			1245	1240.00
080-016	402.1505	1	22068	PLUG SW	1	EA	5 1/2		50.00	50.00
018-317	576.0014	1	22065	SUPERFLUSH	10	SK			96.00	960.00
019-317	576.0014	1	22065	WELL FLUSH	5	gal			24.00	120.00
314-153	70.15302	1	22062	KCL	750	lbs			.25	187.50
12A	825.205	1	22069	GUIDE SHOE	1	EA	5 1/2		105.00	105.00
24A	815.19251	1	22070	INSIDE HOAT	1	EA	"		83.00	83.00
27	815.19311	1	22071	AUTO FILL UP	1	EA			30.00	30.00
40	807.93022	1	22072	CENTRALIZERS	4	EA	5 1/2		44.00	176.00
350	810.10802	1	22073	THREAD LOCK	1	lb.			11.50	11.50
320	800.84853	1	22074	BASKETS	2	EA	5 1/2		90.00	180.00

RECEIVED

KANSAS CORPORATION COMMISSION

AUG 14 1992

CONSERVATION DIVISION  
WICHITA, KS

RELEASED

AUG 12 1992

FROM CONFIDENTIAL

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO.

B-117865

2191.14

WAS JOB SATISFACTORILY COMPLETED? yes

WAS OPERATION OF EQUIPMENT SATISFACTORY? yes

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? yes

X Casey Counts  
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X Casey Counts  
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

*[Signature]*  
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL

FIELD OFFICE

TOTAL

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

5425.14

ORIGINAL

FORM 1911 - 87 REV. 2-83

2191 14

DIVISION OFFICE

AUG 12 '92 16:05 PRATT DIST OFFICE

HALLIBURTON SERVICE

WORK ORDER CONTRACT 17

P. 4/7

FORM 1908 P-7

A Division of Halliburton Company

AND PRE-TREATMENT DATA

CONFIDENTIAL ATTACH TO INVOICE & TICKET NO. 214815

DISTRICT PRATT KS

DATE RELEASED 6-3-92

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: Cabot Oil & Gas Co AUG 0 2 1993

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING (CUSTOMER)

WELL NO. 1-20 LEASE MARIE METERS RUSH SEC 20 TWP. 24 FROM CONFIDENTIAL RANGE SW

FIELD COUNTY PENN STATE KS OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING	RECEIVED	N	15.5	5 1/2	KS	3929	
FORMATION THICKNESS							
PACKER TYPE	KANSAS CORPORATION COMMISSION						
TUBING							
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE	AUG 14 1992				3929	4230	SHOT/FT.
INITIAL PROD:	CONSERVATION DIVISION						
PRESENT PROD:	WICHITA, KS						

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING  ANNULUS  CASING  TUBING/ANNULUS  HYDRAULIC HORSEPOWER ORDERED

Set 3929' 5 1/2" PROD w/ 10 bbl salt flush; 10 bbl Surfact flush  
1.33 SKS 46/60 A02 22.601 1070 Salt; 252; D-Air; 6th bit count - prod/SK  
57; HALAD 322 - Pump Rate hole w/ 15 SKS & various hole w/ 10 SKS

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
- b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
  1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
  2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
  3. Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The release, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unreasonableness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
- c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
- d) That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies, or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
- e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing unit and return to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
- f) To enforce the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
- g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.
- h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED Casey Goats CUSTOMER

DATE 6-3-92

SERVICES SUMMARY

WELL DATA

FIELD: REC 20 TWP 14 RNG 8 COUNTY: PENN STATE KS  
 FORMATION NAME: ORION  
 FORMATION THICKNESS: FROM TO  
 INITIAL PROD. ON: SPD. WATER SPD. GAS MCF/D  
 PRESENT PROD. ON: SPD. WATER SPD. GAS MCF/D  
 COMPLETION DATE: MUD TYPE MUD WT. 17  
 PACKER TYPE: SET AT  
 BOTTOM HOLE TEMP. PRESSURE: CONFIDENTIAL  
 MISC. DATA: TOTAL DEPTH

NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
1	5.5	5/2	K13	3929	
			3929	4230	ENOTS FT.

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 6-3 TIME 1900	DATE 6-3 TIME 2130	DATE 6-4 TIME 0005	DATE 6-4 TIME 0245

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS	4	13.5 13
BOXCOMBLING BASKETS	2	144
TOP PLUG		
HEAD		
PACKER THREAD LOCK		154 FTS
OTHER		

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
24221	1 MGR. 41	31003
12663	1 MGR. 502	4410
26633	2 MGR.	1301R
		50805

RECEIVED

KANSAS CORPORATION COMMISSION

RELEASED

AUG 14 1992

AUG 02 1993

CONSERVATION DIVISION  
WICHITA KS

FROM CONFIDENTIAL

MATERIALS

TREAT. FLUID: LB-GAL. API  
 DENS. FLUID: LB-GAL. API  
 PROP. TYPE: SIZE LB  
 ACID TYPE: GAL  
 ACID TYPE: GAL  
 ACID TYPE: GAL  
 SURFACTANT TYPE: LOSNIP 1259 GAL 15 IN 72 bbls  
 NE AGENT TYPE: GAL IN  
 FLUID LOSS ADD. TYPE: GAL-LB IN  
 GELLING AGENT TYPE: GAL-LB IN  
 PROD. RED. AGENT TYPE: GAL-LB IN  
 BREAKER TYPE: GAL-LB IN  
 BLOCKING AGENT TYPE: GAL-LB  
 PERFFAC BALLS TYPE: 350 200 for 2 1/2" 2.5" fluid  
 OTHER: 350 200 for 2 1/2" 2.5" fluid

DEPARTMENT

DESCRIPTION OF JOB: SET 3929 5/2 PROD

JOB DONE THRU: TUBING  CASING  ANNULUS  TEG/ANN

CUSTOMER REPRESENTATIVE: X Barry Bonta

HALLIBURTON OPERATOR: JIMSON

CEMENT DATA

STAGE	NUMBER OF BAGS	CEMENT	BRAND	BULK BAGGED	ADDITIONS	YIELD CU FT. / HR.	MIXED PPS. GAL.
	1100	702	40/60	13	216-10/10 SALT 25% T-AR 6% GEL STABILIZER	138	14.02
						322	

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING: DISPLACEMENT  
 BREAKDOWN: MAXIMUM  
 AVERAGE: FRACTURE GRADIENT  
 SHUT-IN INSTANT: HYDRAULIC HORSEPOWER  
 ORDERED: AVAILABLE AVERAGE RATES IN BPM USED  
 TREATING: CEMENT LEFT IN PIPE OVERALL  
 FEET: 44 - REASON: Insert

PRELUSH: 10-10 EBL-GAL  
 LOAD @ SKIN: EBL-GAL  
 TREATMENT: EBL-GAL  
 CEMENT SLURRY: 3432 EBL-GAL  
 TOTAL VOLUME: EBL-GAL

REMARKS: Dip w/ 2 1/2" KCL water w/ LOSNIP 1259

Abot Oil/Gas Co. 2026 R2 6-3-92

ORIGINAL

AUG 12 '92 16:07 PRATT DIST OFFICE

LEASE # 114415 (INCLUDE R/S) TICKET NO. 317 67

JOB LOG

CUSTOMER CABOT OIL & GAS CO

PAGE NO.

FORM 2013 R-2

JOB TYPE 5 1/2 PROD

DATE 6-3-92

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
0830								Called out
0930								ON NOC
								BASKETS ON JTS 1-4
								CENTRALIZERS ON JTS 1-3, 5-13
0005								BREAK C/O
0035		8						200 Pump 10 bbl SALT FLUSH
0036		8	10					225 Pump 5 bbl SPACER
0037		8	15					200 Pump 10 bbl SPACER FLUSH
0039		8	25					225 Pump 5 bbl SPACER
0041		2	30					Aug. Patch hole w/ 1 1/2" x 1/2" pipe
0045		2	3368					Aug. Patch hole w/ 1 1/2" x 1/2" pipe
0048		6.5	3603					200 Pump 135 bbl 6.5" x 1 1/2" x 1/2" pipe
0052			6921					CLEAR LINES
0052								RELEASE PLUG
0053		8	7152					150 Start Disp. w/ 2 1/2" x 1/2" x 1/2" loss of 259
0003		5	1246					1200 Aug. Down
0105								RELEASE PLUG HELD
								DISPLACEMENT
								6.5" x 1 1/2" x 1/2" pipe
0145								Job Complete
								THANK YOU
								JAMES
								BILL
								DAWNY
								RELEASED
								AUG 11 2 1995
								FROM CONFIDENTIAL
								10/15

RECEIVED KANSAS CORPORATION COMMISSION

AUG 14 1992

CONSERVATION DIVISION WICHITA, KS