

ORIGINAL

AMENDED REPORT

SIDE ONE

CONFIDENTIAL RELEASED

SEP 07 1991

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

API NO. 15- 075-20,452-0000

County Hamilton FROM CONFIDENTIAL
E/2 E/2 W/2

SE/4 Sec. 2 Twp. 24S Rge. 41W East West

1301 Ft. North from Southeast Corner of Section

1718 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

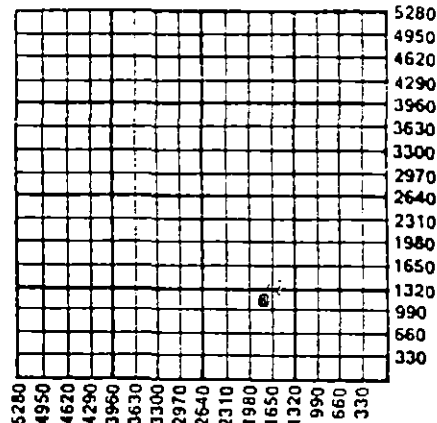
Lease Name HCU Well # 0241-B

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3244 KB

Total Depth 2458 PBTD 2399



9-26-90

Amount of Surface Pipe Set and Cemented at 359 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2458

feet depth to Surface w/ 1055 825 sx cmt.

Operator: License # 04680

Name: American Exploration Company

Address 2100 NCNB Center

700 Louisiana

City/State/Zip Houston, Texas 77002

Purchaser: KN Energy

Operator Contact Person: Marty B. McClanahan

Phone (713) 220-8251

Contractor: Name: Cheyenne Drilling Co.

License: 5382

Wellsite Geologist: Ron Osterbuhr

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas SI Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If ~~OWO~~: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

5/21/90 5/25/90 6/23/90

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

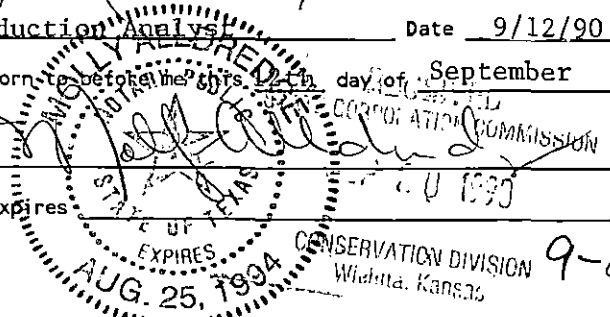
Signature Marty B. McClanahan

Title Sr. Production Analyst Date 9/12/90

Subscribed and sworn to before me this 12 day of September 19 90.

Notary Public _____

Date Commission Expires _____



K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

9-20-90

CONFIDENTIAL

ORIGINAL

SIDE TWO

Operator Name American Exploration Company Lease Name HCU Well # 0241-B

Sec. 2 Twp. 24S Rge. 41W East West

County Hamilton

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.)

Formation Description
 Log Sample
Name Top Bottom
Stone Corral Anhy. ----- 1824 (+1409)
Winfield 2301 (+932)
Ft. Riley 2397 (+836)

RELEASED
SEP 07 1991
FROM CONFIDENTIAL

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	20#	359	35/65 Poz Class H	130+	3% CC, 1/4# D-29
Production	7-7/8	4-1/2	9.5#	2457	DSLW Class H	625	3% CC, 1/4# D-29

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	2311-20'	8,000 pad, 35,000# sand 1,000 gals. 15% HCL acid	

TUBING RECORD Size 2-3/8' Set At 2285 Packer At 2263 Liner Run Yes No

Date of First Production SI WPLC Producing Method Flowing Pumping Gas Lift 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 Perforation Dually Completed Commingled
 Other (Specify) _____

ORIGINAL

CASING & CEMENTING REPORT

CONFIDENTIAL

FROM CONFIDENTIAL

Well Name 0 2-41-B Location S. E 1/4 Sec 2 245 41-2
Casing 4 1/2 Long String Date 5-24-70

Jts. On	m On	Size	Wt.					Jts. Depth	m Run
Locat.	Locat.	mm	kg/m	Cr.	Rge.	THD	T&C	Make	In Well
		4 1/2	9.5		3	5-R	500		2457
									m
									m
									m

Shoe Make Weatherford Type Regular Length .80 m
 Collar Make Type Auto Drill Length .80 m

Landing Jt. (When Used) Length N.A. m
 Overall Length of Casing String m
 m Up From K.B. (subtract) m

Setting Depth By Driller 2457 m By Tally 2457.60 m

CENTRALIZERS

SCRATCHERS

Make & No. Weatherford Make & No. N.H
 Position 2419 2334 2250 2166 Position
 Remarks (Thread Lock, Weld, Mill) 500 Collar First 742-2 Joints
 CIL 1527 1442 1358 1273 1187 1487 1400

Hole Size 778 mm Casing In Hole Size 4 1/2 mm
 Depth 2457 m Setting Depth 2457 m
 Mud Type Star 20 Wt. 9.5 kg/m Visc. 45 S/LWL 8.0 cm
 BOP's Central
 Power Tong Co Francis Torque Max. 1050 Min. 1000
 Casing String Wt. 25000 daN Remarks

Cementing Co. Operator

TYPES & QUANTITIES OF CEMENT Date

Filler Volume Amount 400 225-5x m³ Type 3B/15/100 Wt. 12.4 kg/m³
 Additives 1/4" Cellulose Flocc 370 CC. 690 Gel
 Tail In Volume Amount 700 m³ Type H Wt. 15.5 kg/m³
 Additives 1/4" Cellulose Flocc
 HT. Cemented Surface Water Ahead 1033L m³ Start Mix 9-10 m³
 Finish Mix 1000 m³ Pumping Press 110 kPa Bump Press 1100 kPa
 Float Held Yes Cement Returns Yes m³
 Plug Down 10:20 AM 5-24-70 Date 5-24-70
 Wt. Landed in Slips 2600 daN Make of Bowl
 Size mm Series Slip & Seal Esembly
 Remarks (Wellhead - Make, Type, Size)

RECEIVED

STATE CORPORATION COMMISSION

AUG 22 1970

Co. Rep. HAWK

CONSERVATION DIVISION
Wichita, Kansas

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

CONFIDENTIAL

OILFIELD SERVICES	<input checked="" type="checkbox"/>
INDUSTRIAL SERVICES	<input type="checkbox"/>

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.
03-12-2625

DSI SERVICE LOCATION NAME AND NUMBER
Ulysses Ks 03-12

CUSTOMER NUMBER
ORIGINAL

CUSTOMER P.O. NUMBER
RELEASED

TYPE SERVICE CODE
285

BUSINESS CODES

CUSTOMER'S NAME
AMERICAN Exploration

WORKOVER NEW WELL OTHER W N

API OR IC NUMBER

ADDRESS

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION	MO.	DAY	YR.	TIME
S	24	90	0530	

CITY, STATE AND ZIP CODE

SERVICE ORDER RECEIPT

I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

CM 4 1/2 casing with 6255K 65C 35p02 + 6% D20 + 3% brack + 4/1029 200SK class H + .3% D60 + 4/1029

JOB COMPLETION	MO.	DAY	YR.	TIME
S	24	90	1019	

STATE	CODE	COUNTY / PARISH	CODE	CITY
Ks		HAMILTON		

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Daniel J. ...

WELL NAME AND NUMBER / JOB SITE	LOCATION AND POOL / PLANT ADDRESS	SHIPPED VIA
HCU 0241-B	Soc 2-245-414	DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
048214-000	PUMP chg	EA	1	972.00	972.00
059697-000	PACK chg	EA	1	110.00	110.00
059200-002	PUMP MILAIP	mi.	53	2.40	127.20
049102-000	hauling 78331" x 53	ton/mi.	2076	.80	1660.80
049100-000	scraper chg	CULT.	912	1.08	984.96
040003-000	D903 class C	ST	406	7.00	2842.00
040015-000	D909 CLASS H	ST	200	6.85	1370.00
045008-000	D35 litapoz	ST	219	2.30	503.70
045014-050	D20 bentonite	LB	3263	.13	434.19
067005-100	CaCl2	LB	1631	.32	521.92
067011-002	MIL	LB	350	.24	84.00
044003-025	D29 collophane FLAKer	LB	206	1.37	282.22
044002-050	D60 Fluid loss additive	LB	56	6.70	375.20
050002-044	guide shoe	EA	1	135.00	135.00
052004-044	Auto fill float collar	EA	1	385.00	385.00
056011-044	centertees	EA	4	48.00	192.00
056711-044	turbolizers	EA	8	50.00	400.00
056704-044	Top submer plug	EA	1	70.00	70.00
056019-044	stop ring	EA	1	14.00	14.00
056008-044	cement basket	EA	1	130.00	130.00
057499-001	Thread lock Kit	EA	2	22.00	44.00
048600-000	CASING SWIVEL	EA	1	205.00	205.00

THANKS FOR USING DS *field esti #11689.19*

LICENSE/REIMBURSEMENT FEE	
LICENSE/REIMBURSEMENT FEE	
REMARKS:	STATE % TAX ON \$
	COUNTY % TAX ON \$
	CITY % TAX ON \$
SIGNATURE OF DSI REPRESENTATIVE	TOTAL \$
<i>James Equivel</i>	

CEMENTING SERVICE REPORT

CONFIDENTIAL **DS**

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 05-72-2625 DATE: 5-24-90
 STAGE: DS DISTRICT: 2145555, Ks

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO.: HCU 0241-B
 LOCATION (LEGAL): Sec. 2-245-414
 FIELD-POOL: Bradshaw
 COUNTY/PARISH: Hamilton STATE: Ks. API. NO.:

RIG NAME: CHAYANNA # 5
 WELL DATA: BIT SIZE 7, CSG/Liner Size, TOTAL DEPTH, WEIGHT 93, ROT CABLE, FOOTAGE 460, MUD TYPE, GRADE: 5.5, BHST, BHCT, THREAD, MUD DENSITY, LESS FOOTAGE SHOE JOINT(S) 12, MUD VISC., Disp. Capacity 39.
 BOTTOM: RELEASED
 SEP 07 1991
 FROM CONFIDENTIAL

NAME: AMERICAN Exploration
 AND:
 ADDRESS:
 ZIP CODE:

SPECIAL INSTRUCTIONS:
 FURNISH EQUIPMENT & MATERIALS TO CEMENT 4 1/2 CASING

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE: 1470 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT: 1160 PSI BUMP PLUG TO: 1160 PSI
 ROTATE: RPM RECIPROCATE FT No. of Centralizers 12

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE: Auto Fill Float col, DEPTH: 2418
 Shoe TYPE: 2460, DEPTH: cmt. guide
 Head & Plugs: Double, Single, Swage, Knockoff
 SQUEEZE JOB: TBG, D.P., GRADE, THREAD
 TOOL: TYPE, DEPTH
 TAIL PIPE: SIZE, DEPTH
 TUBING VOLUME: Bbl
 CASING VOL. BELOW TOOL: Bbl
 TOTAL: Bbl
 ANNUAL VOLUME: Bbl

TIME: 0001 to 2400 PRESSURE: TBG OR D.P., CASING VOLUME PUMPED BBL: INCREMENT, CUM. JOB SCHEDULED FOR TIME: 5:30 AM DATE: 5-24-90 ARRIVE ON LOCATION TIME: 11:30 DATE: 5-24-90 LEFT LOCATION TIME: 11:30 DATE: 5-24-90

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM.	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0902	2980					H ₂ O					
0906	0	10			6	H ₂ O					
0908	260	10			6	gel					
0909	250	10			6	cmt	10				
0911	280	222			6	cmt.	12.4				
0947	100	42			2	cmt.	15.6				
1006	60										
1008	50	39'			5 1/2	KCL					
1013	490		13		2 1/2	KCL					
1018	1160				2 1/2	KCL					
1019											
1020											

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED	
				BBLs	DENS
1.	625	2.0	35oz + 6% D20 + 3% brack + 4" D29	222.6	12
2.	200	1.18	class H + .3% D60 + 4" D29	42	15
3.					
4.					
5.					
6.					

BREAKDOWN FLUID TYPE: HESITATION SQ. RUNNING SQ. VOLUME: CIRCULATION LOST, DISPLACEMENT VOL 39', MEASURED DISPLACEMENT. DENSITY: YES NO Cement Circulated To Surf. YES NO WIRELINE. PRESSURE: MAX. MIN. TYPE OF WELL: OIL, GAS, STORAGE, INJECTION, BRINE WATER, WILDCAT. PERFORATIONS: TO TO. CUSTOMER REPRESENTATIVE: Hawk Demoss. DS SUPERVISOR: James Esquivel

ORIGIN CONFIDENTIAL

CASING & CEMENTING REPORT

FROM CONFIDENTIAL

Well Name 02-41-B
Casing 8 5/8 SURFACE

Location SEC 2, S.E. 1/4 24S 41W
Date 5-22-90

Jts. On	m On	Size	Wt.					Jts. Depth	m Run
Locat.	Locat.	mm	kg/m	Cr.	Rge.	THD	T&C	Run Landed	In Well
9		8 5/8	200		4	70		9 346.45m	346.48
									m
									m
									m

Shoe Make D.S. Type Texas Length 1.00 m
Collar Make _____ Type _____ Length _____ m

Landing Jt. (When Used) Length _____ m
Overall Length of Casing String _____ m
m Up From K.B. (subtract) _____ m

Setting Depth By Driller 358.48 m By Tally 358.48 m

CENTRALIZERS

SCRATCHERS

Make & No. D.S. 2 Make & No. _____
Position 1-3 Position _____
Remarks (Thread Lock, Weld, Mill) Bottom 3 Collar and shoe

Hole Size 12 1/4 mm Casing In Hole Size N.A. mm
Depth 361 m Setting Depth _____ m
Mud Type FRESH Gel Wt. _____ kg/m³ Visc. S/LWL cm²
BOP's N.A.
Power Tong Co _____ Torque Max. _____ Min. _____
Casing String Wt. 2200 daN Remarks _____

Cementing Co. Dowell Operator Doug

TYPES & QUANTITIES OF CEMENT

Date 5-22-90

Filler Volume Amount 130 SX ^{35/65} m³ Type 35/65 Wt. 12.5 kg/m³
Additives 6% Gel 3% C.C. 1/4" SX D-29
Tail In Volume Amount 100 SX m³ Type H Wt. 15.5 kg/m³
Additives 3% C.C. 1/4" SX D-29
HT. Cemented S&K RUC Water Ahead 16 R/B m³ Start Mix 9:25 A.M. m³
Finish Mix 2.40 m³ Pumping Press 260 kPa Bump Press 700 kPa
Float Held Yes Cement Returns Yes m³
Plug Down 9:50 A.M. Date 5-22-90
Wt. Landed in Slips _____ daN Make of Bowl _____
Size _____ mm Series _____ Slip & Seal Esembly _____
Remarks (Wellhead - Make, Type, Size)

Co. Rep. W.H.A.

DOWELL SCHLUMBERGER INCORPORATED
 P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

CONFIDENTIAL

ORIGINAL

OILFIELD SERVICES
 INDUSTRIAL SERVICES

DSI SERVICE ORDER
 RECEIPT AND INVOICE NO.
 03-12-2614

DSI SERVICE LOCATION NAME AND NUMBER
 Ulysses, KS 03-12

CUSTOMER NUMBER _____ CUSTOMER P.O. NUMBER _____
 TYPE SERVICE CODE 271 BUSINESS CODES _____
 RELEASED

CUSTOMER'S NAME American Exploration - SEP 07 1991
 ADDRESS _____
 CITY, STATE AND ZIP CODE _____ FROM CONFIDENTIAL

WORKOVER W
 NEW WELL N
 OTHER API OR IC NUMBER _____

ARRIVE LOCATION MO. DAY YR. TIME
 5 21 90 1720

SERVICE ORDER RECEIPT
 I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

JOB COMPLETION MO. DAY YR. TIME
 5 22 90 0950

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
 [Signature]

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

Provide Equipment & Materials Necessary to safely
 Cement 8 5/8" casing

STATE CODE COUNTY/PARISH CODE CITY
 Kansas 015 Hamilton 075

WELL NAME AND NUMBER / JOB SITE HCU 0241-B LOCATION AND POOL / PLANT ADDRESS Sec 2, T 24S, R 41W SHIPPED VIA Dowell Schlumberger

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
048209-000	Pump Truck Charge	ea	1	433.00	433.00
048209-001	Additional Footage Below 300'	ft	61	0.41	25.01
049102-000	Delivery Charge	TM	585	0.80	468.00
049100-000	Service Charge	cu Ft	254	1.08	274.32
059697-000	PACB Charge	ea	1	110.00	110.00
059200-002	Mileage Charge	mi	53	2.40	127.20
040003-000	D903, Class C Cement	cu Ft	85	7.00	595.00
040015-000	D909, Class H Cement	cu Ft	700	0.98	685.00
045008-000	D35, Loco 3	cu Ft	45	2.30	103.50
045014-050	D20, Beniteite Extender	lb	680	0.13	88.40
067005-100	S1, Calcium Chloride	lb	6242	0.32	199.04
044003-025	D29, Cellophane Flakes	lb	58	1.37	79.46
050001-085	8 5/8" Texas Pattern Guide Shoe	ea	1	200.00	200.00
056011-085	8 5/8" Centralizers	ea	2	68.00	136.00
048501-085	8 5/8" Top Wooden Plug	ea	1	86.00	86.00
057444-001	Thread Lock Kit	ea	1	22.00	22.00
053003-085	Oilfield Full Jigsaw	ea	1	300.00	300.00
048019-000	Cement Bulk Unit - Add. 115	hr	8	40.00	320.00
048020-000	Cement Pump Unit - Add. 115	hr	8	16.50	132.00

Field Estimate = \$5571.93

SUB TOTAL

LICENSE/REIMBURSEMENT FEE _____

REMARKS: Thanks For Being DSI!
 STATE _____ % TAX ON \$ _____
 COUNTY _____ % TAX ON \$ _____
 CITY _____ % TAX ON \$ _____

SIGNATURE OF DSI REPRESENTATIVE TOTAL \$
 Doug E. Hamed

CEMENTING SERVICE REPORT

DS-496 PRINTED IN U.S.A.

ORIGINAL
DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER: 03-12-2614 DATE: 5-21-90
STAGE: DS DISTRICT: WYSSERS, KS

WELL NAME AND NO. HCU 0241-B	LOCATION (LEGAL) Sec 2, T24S, R41W	RIG NAME: Choyenne #5
FIELD-POOL Bradshaw	FORMATION	WELL DATA: BIT SIZE: 12 1/4 CSG/Liner Size: 8 5/8
COUNTY/PARISH Hamilton	STATE Kansas	API. NO.
NAME American Exploration	ADDRESS	WELL DATA: TOTAL DEPTH: 361.48
AND	ZIP CODE 64501	WELL DATA: MUD TYPE: GRADE
SPECIAL INSTRUCTIONS SEP 0 7 1991		WELL DATA: MUD DENSITY: 43.3
		WELL DATA: MUD VISC.: 318.18

CONFIDENTIAL

IS CASING/TUBING SECURED? <input type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE 140 PSI	CASING WEIGHT - SURFACE AREA (3.14 x R ²)
PRESSURE LIMIT PSI	BUMP PLUG TO Boomer PSI	ROTATE RPM RECIPROCATATE FT No of Centralizers
Head & Plugs	TOOL	SQUEEZE JOB
<input type="checkbox"/> Double	SIZE	TYPE
<input checked="" type="checkbox"/> Single	WEIGHT	DEPTH
<input type="checkbox"/> Swage	GRADE	TAIL PIPE SIZE
<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME
TOP <input type="checkbox"/> OR <input type="checkbox"/> W	NEW <input type="checkbox"/> USED	CASING VOL. BELOW TOOL
BOT <input type="checkbox"/> OR <input type="checkbox"/> W	DEPTH	TOTAL
		ANNUAL VOLUME

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME			ARRIVE ON LOCATION TIME		LEFT LOCATION TIME	
	TBG OR DP	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	DATE	DATE	DATE	
0001 to 2400											
0923	NA	130	10	-	5.0	H ₂ O	8.34	5/21	1720	1015	
0925		170	45	10	5.9	cm	12.4				
0932		200	21	45	5.9	cm	15.6				
0938		0	-	66	0	-	-				
0939		110	19	-	5.8	H ₂ O	8.34				
0942		120	3	19	2.9	H ₂ O	8.34				
0947		880	-	22	0	-	-				
0948		120	-	22	0	-	-				
0950		-	-	-	-	-	-				

REMARKS

SYSTEM CODE	NO OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED		
						BBLs	DENSITY	
1	130	2.02	55%	Pozol + 6%	D20 + 3%	S1 + 1/4 1/2	46.8	12.4
2								
3	100	1.21	Class H	+ 3%	S1 + 1/4 1/2	SK D29	21.6	15.6
4								
5								
6								

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX	720	MIN	0
<input type="checkbox"/> HESITATION SO	<input type="checkbox"/> RUNNING SO	CIRCULATION LOST	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Cement Circulated To Surf	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	10	Bbls
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	20.8	Bbls	
Washed Thru Parts	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE		
PERFORMANCES	TO	TO		CUSTOMER REPRESENTATIVE	Hawk Demoss		
				DS SUPERVISOR	Dwight E. Hamed		



REMIT TO: P O BOX 201556
HOUSTON TX 77216

INVOICE

ORIGINAL CONFIDENTIAL

INVOICE DATE

05/22/90

PAGE

1

INVOICE NUMBER

03-12-2614

8796
ERICAN EXPLORATION

RELEASED

JK 742
RACUSE

KS 67878

SEP 07 1991

TYPE SERVICE

CEMENTING
CEMENT SURFACE C

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF
U 0241 B	KS	HAMILTON	ULYSSES KS	DS	
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
C 2T-24S-R41H			05/21/90	DAROLD DEMOSS	

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
048209000	0-1500' CASING CEMENTER	BHR	1	433.0000	433.00
048209001	ADD'L PER FT BELOW 300'	FT	61	.4100	25.01
049102000	TRANSPORTATION CHNT TON MILE	MI	585	.8000	468.00
049100000	SERVICE CHG CEMENT MATL LAND	CFT	254	1.0000	274.32
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	110.0000	110.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	53	2.4000	127.20
040003000	D903, CEMENT CLASS C	CFT	85	7.0000	595.00
040015000	D909, CEMENT CLASS H	CFT	100	6.8500	685.00
045000000	D35, LITEPOZ 3 EXTENDER	CFT	45	2.3000	103.50
045014050	D20, BENTONITE EXTENDER	LBS	679	.1300	88.27
067005100	S1,CALCIUM CHLORIDE	LBS	621	.3200	198.72
044003025	D29, CELLOPHANE FLAKES	LBS	58	1.3700	79.46
050001085	SHOE REG PTTN GUIDE 8-5/8"	EA	1	200.0000	200.00
056011085	CENTR REG 8-5/8, B DIA 12"	EA	2	68.0000	136.00
048501085	PLUG CENG 8-5/8" WOODEN BODY	EA	1	86.0000	86.00
057499001	K232, THD LKG COMPOUND KIT	EA	1	22.0000	22.00
053003085	INSERT ORIFICE FILL 8-5/8"	EA	1	300.0000	300.00
048019000	CEMENT BULK UNIT HRS ON LOCA	HR	8	40.0000	320.00
048020000	CEMENT PUMP-ADDL HR ON LOCAT	HR	8	165.0000	1,320.00
	DISCOUNT - MATERIAL				773.11-
	DISCOUNT - SERVICE				954.04-

RECEIVED
STATE CORPORATION COMMISSION

SEP 2 1990

CONSERVATION DIVISION
Wichita, Kansas

SUB TOTAL -- 3,844.33

1,720.83 73.13
1,720.83 17.20

AMOUNT DUE -- 3,934.66

[Handwritten signature]

H C STATE TAX ON
H F C LOCAL TAX ON

WITH QUESTIONS CALL 316-356-1272
FEDERAL TAX ID # 38-239-7173
TERMS -- NET 30 DAYS DUE ON OR BEFORE JUN 21, 1990

THANK YOU. WE APPRECIATE YOUR BUSINESS.

Dary A. Kolstad
G A KOLSTAD



REMIT TO: P O BOX 201556
HOUSTON TX 77216

INVOICE

ORIGINAL
CONFIDENTIAL

INVOICE DATE
05/24/90

INVOICE NUMBER
83-12-2625

76
CAN EXPLORATION

742
WUSE KS 67878

PAGE
1

TYPE SERVICE
CEMENTING CEMENT PRODUCTIO

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
241 B	KS	HAMILTON	ULYSSES KS	DS	
LOCATION / PLANT ADDRESS			DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE	
2-24S-41W			05/24/90	DAROLD DEMOSS	

ITEM CODE	DESCRIPTION	RELEASED	UOM	QTY	UNIT PRICE	AMOUNT
		SEP 07 1990				
18214000	CASING CENTR 2000-2499 FT.		HR	1	972.0000	972.00
79697000	PACR TREAT ANALYSIS RECORDER	FROM CONFIDENTIAL	JOB	1	110.0000	110.00
39200002	MILEAGE, ALL OTHER EQUIPMENT		MI	53	2.4000	127.20
19102000	TRANSPORTATION CMNT TON MILE		MI	2076	.8000	1,660.80
19100000	SERVICE CHG CEMENT MATL LAND		CFT	912	1.0000	984.96
10003000	D903, CEMENT CLASS C		CFT	406	7.0000	2,842.00
0015000	D909, CEMENT CLASS H		CFT	209	6.0500	1,370.00
15000000	D35, LITEPOZ 3 EXTENDER		CFT	219	2.3000	593.70
5014050	D20, BENTONITE EXTENDER		LBS	3261	.1300	423.93
17005100	S1, CALCIUM CHLORIDE		LBS	1631	.3200	521.92
17011000	M117, POTASSIUM CHLORIDE		LBS	350	.2400	84.00
14003025	D29, CELLOPHANE FLAKES		LBS	206	1.3700	282.22
14002050	D60, FLAC FLUID LOSS ADDITIV		LBS	56	6.7000	375.20
30002044	SHOE SWIRL GUIDE AL 4-1/2"		EA	1	135.0000	135.00
32004044	COLLAR ORF FILL AL 4-1/2"		EA	1	385.0000	385.00
36011044	CENTR REG 4-1/2, B DIA 7-3/4"		EA	4	48.0000	192.00
36711044	CENTR DEF 4-1/2, B DIA 6-1/2"		EA	8	50.0000	400.00
36704044	PLUG CENG 4-1/2" TOP AL CORE		EA	1	70.0000	70.00
37499001	K232, THD LKG COMPOUND KIT		EA	2	22.0000	44.00
18600000	TOOLS, CASING SWIVEL RENTAL		JOB	1	205.0000	205.00
	DISCOUNT - MATERIAL					2,822.71-
	DISCOUNT - SERVICE					1,502.19-
					SUB TOTAL	7,364.03
C	STATE TAX ON				4,935.41	209.75
F.C.	LOCAL TAX ON				4,935.41	49.35
					AMOUNT DUE	7,623.13

[Handwritten Signature]
[Handwritten Signature]
 G A KOLSTAD

IF YOU HAVE ANY QUESTIONS CALL 316-356-1272

GENERAL TAX ID # 38-239-7173

THANK YOU. WE APPRECIATE YOUR BUSINESS.

NET 30 DAYS DUE ON OR BEFORE JUN 23, 1990

G A KOLSTAD

DRILLERS LOG

AMERICAN EXPLORATION COMPANY
 HCU #0241-B
 SECTION 2-T24S-R41W
 HAMILTON COUNTY, KANSAS

COMMENCED: 05-21-90
 COMPLETED: 05-24-90

SURFACE CASING: 346' OF 8 5/8"
 CMTD W/130 SX 35/65 POZ, 6% GEL,
 3% C.C., 1/4#/SX D-29; TAILED
 IN W/100 SX "H", 3% C.C., 1/4#/SX D-29

FORMATION	DEPTH
SURFACE HOLE	0- 361
SAND	361- 975
SAND & ANHYDRITE	975-1684
SHALE & LIME	1684-2456 RTD

I DO HEREBY CERTIFY THAT THE FOREGOING STATEMENTS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

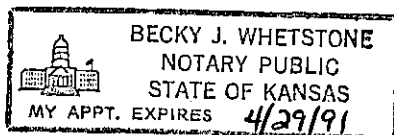
CHEYENNE DRILLING, INC.

A. J. Jacques

A. J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 24TH DAY OF MAY, 1990.



Becky J. Whetstone

BECKY J. WHETSTONE, NOTARY PUBLIC

STATE OF KANSAS
 CONSERVATION DIVISION
 Topeka, Kansas
 MAY 31 1990

5-31-90