

ORIGINAL AMENDED REPORT

CONFIDENTIAL RELEASED

SEP 0.7 1990

SIDE ONE

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

Operator: License # 04680  
Name: American Exploration Co.  
Address 700 Louisiana, Suite 2100  
Houston, Texas 77002-2725  
City/State/Zip \_\_\_\_\_  
Purchaser: KN Energy  
Operator Contact Person: Marty B. McClanahan  
Phone ( 713 ) 220-8251  
Contractor: Name: Cheyenne Drilling Co.  
License: 05382  
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 OWMO: old well info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

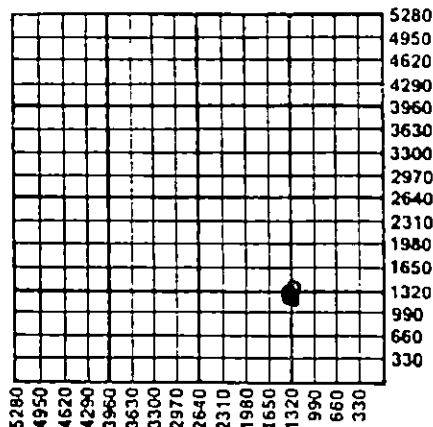
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
4/26/90 4/29/90 6/22/90  
Spud Date Date Reached TD Completion Date

API NO. 15- 075-20,444 FROM CONFIDENTIAL

County Hamilton  
SE/4 Sec. 14 Twp. 21S Rge. 41  East  West  
1320 Ft. North from Southeast Corner of Section  
1320 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name HCU Well # 1411-C  
Field Name Bradshaw

Producing Formation Winfield  
Elevation: Ground 3615 KB \_\_\_\_\_  
Total Depth 2900 PBTD 2849

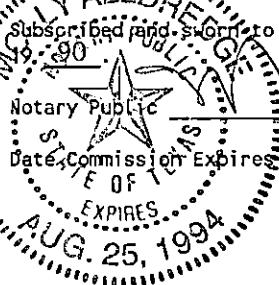


Amount of Surface Pipe Set and Cemented at 367 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 2900  
feet depth to Surface w/ 1175 825 sx cmt.

**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 Sup. Production Analyst Date 9/12/90



Subscribed and sworn to before me this 12th day of September, 1990.  
[Signature]  
Notary Public

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
D  Drillers Timelog Received  
RECEIVED  
KANSAS CORPORATION COMMISSION  
10-3-90  
OCT 3 1990  
Distribution  
KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA  
KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_  
(Specify)

SIDE TWO

Operator Name American Exploration Co. Lease Name HCU Well # 1411-C

Sec. 14 Twp. 21S Rge. 41  
 East County Hamilton  
 West

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.)

SEP 07 1991

Formation Description

Log  Sample

Name	Top	Bottom
Stone Corral Anhy. ---		2355 (+1271)
Winfield	2766 (+860)	
Ft. Riley	2872 (+754)	

**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#	367	Class "C"	350	2% CC, 1/4# 29-
Production	7-7/8	4-1/2	9.5#	2903	DSLW Class "H"	625 200	6% Gel, 1/4# 29 3% D-60 "D" 29

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4 SPF	2776-90'	1,000 gal. 15% HCL + additives	
		35,000# 12/20 gel	

<b>TUBING RECORD</b>	Size <u>2-3/8</u>	Set At <u>2754</u>	Packer At <u>2726</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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) \_\_\_\_\_

Production Interval \_\_\_\_\_

Well Name 1411-C HCU Location \_\_\_\_\_  
Casing PRODUCTION Date 4-29-90

Jts.On	m On	Size	Wt.					Jts	Depth	m Run
Locat.	Locat.	mm	kg/m	Cr.	Rqe.	THD	T&C	Run	Landed	In Well
68	3104.13	4 1/2	9.5		3	18RD	S	63	2903m	2905.79
										m
										m
										m

Shoe Make WEATHERFORD Type Regular Length .8 m  
Collar Make Weatherford Type Auto Full Length .8 m

Landing Jt. (When Used) Length \_\_\_\_\_ m  
Overall Length of Casing String 2905.79m  
m Up From K.B. (subtract) 8.00m

Setting Depth By Driller 2901 m By Tally 2902.79m

RELEASED

SEP 07 1991

FROM CONFIDENTIAL

CENTRALIZERS

SCRATCHERS

Make & No. WEATHERFORD (10) Make & No. \_\_\_\_\_  
Position 2857-2577(4) 2064-1607(6) Position \_\_\_\_\_

Remarks (Thread Lock, Weld, Mill) Thread lock shoe collar next 3 collars, 2 Baskets riding 16" & 17" Jts inside below 2064

Hole Size 7 7/8 mm Casing In Hole Size 4 1/2 mm  
Depth 2904(LTD) m Setting Depth 2903 m  
Mud Type Starch Wt. 9.4 kg/m Visc. 41 S/LWL 9.4 cm<sup>3</sup>  
BOP's Annular

Power Tong Co FRANCIS Torque Max. 1020 Min. 1000  
Casing String Wt. 26000 daN Remarks Rotate pipe throughout job, Did not stop in drop pipe

Cementing Co. Dowell Schlumberger Operator Greg Grenvich

TYPES & QUANTITIES OF CEMENT

Date 4-29-90

Filler Volume Amount 625.84 m<sup>3</sup> Type 35/65 Wt. 12.7 kg/m<sup>3</sup>

Additives 6% coal, 1/4" / 1/2" - 7

Tail In Volume Amount 200 m<sup>3</sup> Type 14 Wt. 15.0 kg/m<sup>3</sup>

Additives 1.3% D60, 1/4" / 1/2" - 2A

HT. Cemented SURFACE Water Ahead 25 m<sup>3</sup> Start Mix \_\_\_\_\_ m<sup>3</sup>

Finish Mix \_\_\_\_\_ m<sup>3</sup> Pumping Press 280 kPa Bump Press 1700 kPa

Float Held 4# S Cement Returns FULL - 20 Bbls m<sup>3</sup>

Plug Down 2:45 AM CST Date 4-29-90

Wt. Landed in Slips 26000 daN Make of Bowl \_\_\_\_\_

Size \_\_\_\_\_ mm Series \_\_\_\_\_ Slip & Seal Esembly \_\_\_\_\_

Remarks (Wellhead - Make, Type, Size)

Co. Rep. RFBurke

CEMENTING SERVICE REPORT

CONFIDENTIAL **DS**

TREATMENT NUMBER: 2550 DATE: 2-29-70  
 STAGE: DS DISTRICT: 2143263 KS

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. **HCO # 1411-C** LOCATION (LEGAL) **Sec 14. 215-41W**  
 FIELD-POOL \_\_\_\_\_ FORMATION \_\_\_\_\_  
 COUNTY/PARISH **HAMILTON** STATE **KS** API. NO. \_\_\_\_\_

RIG NAME **CHRYSLER # 5**  
 WELL DATA: BOTTOM TOP  
 BIT SIZE **7 7/8** CSG/Liner Size **4 1/2**  
 TOTAL DEPTH \_\_\_\_\_ WEIGHT **9.5**  
 ROT  CABLE FOOTAGE **2905.99**  
 MUD TYPE \_\_\_\_\_ GRADE \_\_\_\_\_  
 BHST.  BHCT. THREAD \_\_\_\_\_  
 MUD DENSITY \_\_\_\_\_ LESS FOOTAGE SHOE JOINT(S) \_\_\_\_\_ TOTAL  
 MUD VISC. \_\_\_\_\_ Disp. Capacity **286265** \_\_\_\_\_ 46.3

NAME **AMERICAN EXPLORATION**  
 AND \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 ZIP CODE \_\_\_\_\_  
 SPECIAL INSTRUCTIONS **SEP 0 7 1991**

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Float	TYPE	<b>O.F. Collar</b>	Stage Tool	TYPE	
	DEPTH	<b>2862.65</b>		DEPTH	
SHOE	TYPE	<b>Guid Guide</b>	Stage Tool	TYPE	
	DEPTH	<b>2905.99</b>		DEPTH	

Head & Plugs  TBG  D.P. SQUEEZE JOB  
 Double SIZE \_\_\_\_\_ TOOL TYPE \_\_\_\_\_  
 Single  WEIGHT \_\_\_\_\_ DEPTH \_\_\_\_\_  
 Swage  GRADE \_\_\_\_\_ TAIL PIPE: SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 Knockoff  THREAD \_\_\_\_\_ TUBING VOLUME \_\_\_\_\_ Bbls  
 TOP  R  W  NEW  USED CASING VOL. BELOW TOOL \_\_\_\_\_ Bbls  
 BOT  R  W DEPTH \_\_\_\_\_ TOTAL \_\_\_\_\_ Bbls  
 ROTATE \_\_\_\_\_ RPM \_\_\_\_\_ RECIPROCATATE \_\_\_\_\_ FT No. of Centralizers **10** ANNUAL VOLUME \_\_\_\_\_ Bbls

FROM CONFIDENTIAL

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE \_\_\_\_\_ PSI CASING WEIGHT - SURFACE AREA (3.14 x R<sup>2</sup>) \_\_\_\_\_  
 PRESSURE LIMIT \_\_\_\_\_ PSI BUMP PLUG TO **1720** PSI  
 ROTATE \_\_\_\_\_ RPM \_\_\_\_\_ RECIPROCATATE \_\_\_\_\_ FT No. of Centralizers **10**

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: 2230 DATE: 4-28			ARRIVE ON LOCATION TIME: 2145 DATE: 4-28		LEFT LOCATION TIME: 0330 DATE: 4-29-70	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL			
0001 to 2400								PRE-JOB SAFETY MEETING			
0140								PRESSURE TEST LINES			
0145	3300										
0148		250	20		6	1120	8.32	START FILHO AHEAD			
0151		340	5	20	6	1120		FILHO PUMPED START GELLED WATER			
0152		380	219	25	6 1/4	12.4		GELLED WATER PUMPED START LEAD CMT			
0227		120	42	244	6			LEAD CEMENT PUMPED START TAIL CMT			
0234		30		286				TAIL CEMENT PUMPED SHUT OFF			
0234		-		286				WASH PUMP LINES			
0236		-		286				DROP TOP PLUG			
0236		-	46	286	4			START DISPLACEMENT			
0239		190		13	4			CATCH CEMENT			
0243		530		26	4			CEMENT TO SURF			
0246		810		36	2			SLOW RATE			
0251		1180		41	1			SLOW RATE			
0251		1720		46	1			DUMP PLUG			
								CHECK FLOAT PLUG HOLDING			

REMARKS \_\_\_\_\_

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	225	1.97	55/65 (POZ/C) + 6 1/2" 1200 + 1/4" 1/2K 127				217	12.4
2.	200	1.18	14 + 3 7/8 1200 + 1/4" 1/2K 127				42	15.2
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE \_\_\_\_\_ VOLUME \_\_\_\_\_ DENSITY \_\_\_\_\_ PRESSURE \_\_\_\_\_ MAX **1720** MIN: \_\_\_\_\_  
 HESITATION SO.  RUNNING SO.  CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO **286** Bbls  
 BREAKDOWN \_\_\_\_\_ PSI FINAL \_\_\_\_\_ PSI DISPLACEMENT VOL. **46** Bbls TYPE OF WELL  OIL  GAS  STORAGE  BRINE WATER  
 Washed Thru Perfs  YES  NO TO \_\_\_\_\_ FT MEASURED DISPLACEMENT \_\_\_\_\_  WIRELINE  INJECTION  WILDCAT  
 PERFORATIONS \_\_\_\_\_ CUSTOMER REPRESENTATIVE **Frank Burke** DS \_\_\_\_\_ SUPERVISOR **Bob Green**

# DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

CONFIDENTIAL ORIGINAL

OILFIELD SERVICES   
INDUSTRIAL SERVICES

DSI SERVICE ORDER RECEIPT AND INVOICE NO. **03127550**

DSI SERVICE LOCATION NAME AND NUMBER  
**043353 KS 03-12**

CUSTOMER NUMBER \_\_\_\_\_ CUSTOMER P.O. NUMBER \_\_\_\_\_ TYPE SERVICE CODE **285** BUSINESS CODES \_\_\_\_\_

CUSTOMER'S NAME **AMERICAN Exploration**

WORKOVER NEW WELL OTHER  W  N  API OR IC NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

ARRIVE LOCATION MO. **4** DAY **28** YR. **90** TIME **2145**

CITY, STATE AND ZIP CODE \_\_\_\_\_

SERVICE ORDER RECEIPT

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.

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.

**COMP 2906' 4 1/2 L.S. w/ 625 SKS 35/105 (POZ/CL)**  
**+ 6% D20 + 14# D29**  
**200 SKS 4 + .3% D60 + 14# SK D29**

JOB COMPLETION MO. **4** DAY **29** YR. **90** TIME **0250**

STATE **Kansas** CODE \_\_\_\_\_ COUNTY / PARISH **Hamilton** CODE \_\_\_\_\_ CITY \_\_\_\_\_

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE *[Signature]*

WELL NAME AND NUMBER / JOB SITE **HOU 1111-C** LOCATION AND POOL / PLANT ADDRESS **Sec 18-215-416**

SHIPPED VIA **IS**

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
059200-002	Mileage chg	Mi	71	2.40	170.40
048215-000	Pump chg	Ea	1	1026.00	1026.00
048200-000	Casing SWIVEL	Ea	1	205.00	205.00
049102-000	DELIVERY chg 76,701 # 71M.	TW/M	2723	.80	2178.40
049100-000	SERVICE chg	FT3	879	1.08	949.32
059697-000	PACK	Ea	1	110.00	110.00
040003-000	CLASS C	SK	406	7.00	2842.00
040015-000	CLASS H	SK	200	6.85	1370.00
045008-000	LITE POZ 3	FT3	219	2.30	503.70
045014-050	D20 BENTONITE	LB	3263	.13	424.19
044003-025	D29 CELLOPHANE FLOKE	LB	206	1.37	282.22
044002-050	D60 Fluid loss	LB	56	6.70	375.20
050101-044	GUIDE SHOE	Ea	1	105.00	105.00
052004-044	OFFICE FILL COLLAR	Ea	1	385.00	385.00
056011-044	CENTRALIZERS	Ea	10	48.00	480.00
056704-044	TOP Plug	Ea	1	70.00	70.00
056014-044	STOP Ring	Ea	1	16.00	16.00
057499-001	Thread lock	Ea	2	22.00	44.00

RELEASED

SEP 07 1991

FROM CONFIDENTIAL

Thanks For Using DS!

Field Estimate # **11,536** <sup>43</sup> SUB TOTAL \_\_\_\_\_

LICENSE/REIMBURSEMENT FEE \_\_\_\_\_

REMARKS: **TICKET SUBJECT TO DISCOUNT!**  
**AFE # 89-156** *[Signature]*  
STATE \_\_\_\_\_ % TAX ON \$ \_\_\_\_\_  
COUNTY \_\_\_\_\_ % TAX ON \$ \_\_\_\_\_  
CITY \_\_\_\_\_ % TAX ON \$ \_\_\_\_\_  
SIGNATURE OF DSI REPRESENTATIVE *[Signature]* TOTAL \$ \_\_\_\_\_

CASING & CEMENTING REPORT

Well Name 14-11-C Location Se-14-215-41-W  
 Casing SURFACE Date 4-26-90

Jts. On	m On	Size	Wt.					Jts. Depth	m Run
Locat.	Locat.	mm	kg/m	Cr.	Rge.	THD	T&C	Make	Run Landed
20		87.5	9.5		4	10			8 366 m
									354.84
									m
									m
									m

Shoe Make TEXAS Type D Length 1.0 m 2.00  
 Collar Make D.S. Type \_\_\_\_\_ Length \_\_\_\_\_ m  
 Landing Jt. (When Used) Length m 15.00  
 Overall Length of Casing String m -4.00  
 m Up From K.B. (subtract) m  
 Setting Depth By Driller 366.84 m By Tally 366.84 m 366.84

CENTRALIZERS

SCRATCHERS

Make & No. D.S. 3 Make & No. \_\_\_\_\_  
 Position 1-3 Position \_\_\_\_\_  
 Remarks (Thread Lock, Weld, Mill) Bottom 2

Hole Size 12 1/4 mm Casing In Hole Size \_\_\_\_\_ mm  
 Depth 370 m Setting Depth \_\_\_\_\_ m  
 Mud Type Brush - Ball Wt. \_\_\_\_\_ kg/m Visc. \_\_\_\_\_ S/LWL \_\_\_\_\_ cm<sup>3</sup>  
 BOP's \_\_\_\_\_  
 Power Tong Co \_\_\_\_\_ Torque Max. \_\_\_\_\_ Min. \_\_\_\_\_  
 Casing String Wt. 2200 daN Remarks \_\_\_\_\_

Cementing Co. Dowell Operator Dowey

TYPES & QUANTITIES OF CEMENT

Date \_\_\_\_\_

Filler Volume Amount 350 X m<sup>3</sup> Type \_\_\_\_\_ Wt. 15.7 kg/m<sup>3</sup>  
 Additives D-29 C-C  
 Tail In Volume Amount \_\_\_\_\_ m<sup>3</sup> Type \_\_\_\_\_ Wt. \_\_\_\_\_ kg/m<sup>3</sup>  
 Additives \_\_\_\_\_  
 HT. Cemented SURFACE Water Ahead 10 BBL m<sup>3</sup> Start Mix 7.88 m<sup>3</sup>  
 Finish Mix 8.15 m<sup>3</sup> Pumping Press 220 kPa Bump Press \_\_\_\_\_ kPa  
 Float Held YES Cement Returns YES m<sup>3</sup>  
 Plug Down YES Date 4-26-90  
 Wt. Landed in Slips 2200 daN Make of Bowl \_\_\_\_\_  
 Size \_\_\_\_\_ mm Series \_\_\_\_\_ Slip & Seal Esembly \_\_\_\_\_  
 Remarks (Wellhead - Make, Type, Size) \_\_\_\_\_

RELEASED  
 SEP 07 1991

FROM CONFIDENTIAL

Co. Rep. HAWK

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

CUSTOMER

**CONFIDENTIAL**

OILFIELD SERVICES   
 INDUSTRIAL SERVICES

DSI SERVICE ORDER  
 RECEIPT AND INVOICE NO. **03-12-2544**

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

CUSTOMER NUMBER \_\_\_\_\_ CUSTOMER P.O. NUMBER \_\_\_\_\_  
 CUSTOMER'S NAME **American Exploration**  
 ADDRESS \_\_\_\_\_  
 CITY, STATE AND ZIP CODE \_\_\_\_\_

TYPE SERVICE CODE **271** BUSINESS CODES \_\_\_\_\_  
 WORKOVER  NEW WELL  OTHER  API OR IC NUMBER \_\_\_\_\_

ARRIVE LOCATION **MO. 4 DAY 26 YR. 90 TIME 1730**

**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.  
**Provide Equipment & Materials Necessary to Sealy Cement 9.36" casing**

JOB COMPLETION **MO. 4 DAY 26 YR. 90 TIME 2030**  
 SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE \_\_\_\_\_

STATE **MO** CODE **15** COUNTY/PARISH **Hamilton** CODE \_\_\_\_\_ CITY \_\_\_\_\_

WELL NAME AND NUMBER / JOB SITE **1111-1** LOCATION AND POOL / PLANT ADDRESS **Sec 14 T21S R41W** 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 Fuelage Etc - 500'	ft	70	0.41	28.70
049102-000	Delivery Charge	TM	1211	0.80	968.80
049102-000	Service Charge	Cu Ft	363	1.08	392.04
059409-7-000	PACR Charge	ea	1	110.00	110.00
059200-002	Mileage Charge	mi	72	2.40	172.80
040015-000	Class H Cement	Cu Ft	350	6.85	2397.50
007005-100	52 Gal. Cement Chloride	lb	658	0.32	210.56
044003-025	DBA, Cellulose Fibres	lb	88	1.35	118.80
050001-085	2 1/2" Long Pattern Guide Shoe	ea	1	2001.00	2001.00
050015-085	2 1/2" Guide Shoe	ea	1	70.00	70.00
050011-085	3 1/2" Centralizers	ea	2	68.00	136.00
048521-085	2 1/2" Top Wood Plug	ea	1	200.00	200.00
057444-001	Three Lock King	ea	1	22.00	22.00

RELEASED

SEP 07 1991

FROM CONFIDENTIAL

SUB TOTAL **Field Estimate = \$ 5,349.40**

LICENSE/REIMBURSEMENT FEE \_\_\_\_\_

REMARKS: **Thanks for being DSI**  
 STATE \_\_\_\_\_ % TAX ON \$ \_\_\_\_\_  
 COUNTY \_\_\_\_\_ % TAX ON \$ \_\_\_\_\_  
 CITY \_\_\_\_\_ % TAX ON \$ \_\_\_\_\_  
 SIGNATURE OF DSI REPRESENTATIVE **Wong E. Kurned** TOTAL \$ \_\_\_\_\_

CEMENTING SERVICE REPORT

**CONFIDENTIAL**

TREATMENT NUMBER: 29111 DATE: 1/24/01  
 STAGE: DS DISTRICT: 14600000

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. 1411-C  
 LOCATION (LEGAL) Sec 14 T29S R41W  
 FIELD-POOL  
 COUNTY/PARISH Iruan Hen STATE Kansas API. NO.

RIG NAME: 14600000-5  
 WELL DATA: BOTTOM TOP  
 BIT SIZE 12 1/4 CSG/Liner Size 2 3/8 ORIGINAL  
 TOTAL DEPTH WEIGHT  
 ROT  CABLE FOOTAGE 9,244  
 MUD TYPE GRADE  
 BHST  BHCT THREAD 2 1/2  
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 12.70 TOTAL  
 MUD VISC. Disp. Capacity 226.08  
 NOTE: Include Footage From Ground Level To Head In Disp. Capacity

NAME American Evaluation  
 AND  
 ADDRESS  
 ZIP CODE  
 SPECIAL INSTRUCTIONS

SHOE	TYPE	Rec 1/2" Plug	TOOL	TYPE	
	DEPTH	326.24		DEPTH	
HEAD	TYPE	Telesc. Full On	TOOL	TYPE	
	DEPTH	7.0		DEPTH	

Head & Plugs  TBG  D.P. SQUEEZE JOB  
 Double SIZE  
 Single WEIGHT  
 Swage GRADE TAIL PIPE: SIZE DEPTH  
 Knockoff THREAD TUBING VOLUME Bbls  
 TOP  R  W  NEW  USED CASING VOL. BELOW TOOL Bbls  
 BOT  R  W DEPTH TOTAL Bbls  
 ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED?  YES  NO  
 LIFT PRESSURE 120 PSI CASING WEIGHT + SURFACE AREA (3.14 x R<sup>2</sup>)  
 PRESSURE LIMIT 2000 PSI BUMP PLUG TO 1.5 x 10<sup>6</sup> PSI  
 ROTATE RPM RECIPROCATE FT No. of Centralizers

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR TIME: DATE:			ARRIVE ON LOCATION TIME: DATE:	LEFT LOCATION TIME: DATE:
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY		
0001 to 2400	NA								
									SERVICE LOG DETAIL
									PRE-JOB SAFETY MEETING
1957		120	10	-	6.0	H <sub>2</sub> O	8.34		Begin Pumping Water Ahead
1959		190	70	10	5.9	Oil	15.0		Begin Mixing Head Cement
2011		0	-	70	0				Shut Down, Disc Plug
2013		140	1	-	5.0	H <sub>2</sub> O	8.34		Begin Displacement
2016		100	10	11	2.5	H <sub>2</sub> O	8.34		Launch Gate
2020		900	-	21	0				Pumpup Plug shut Down
					0				Shut in Cement Head of well Tab

RELEASED

SEP 0 / 1991

FROM CONFIDENTIAL

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED BBLs DENSITY	
			1	2	BBLs	DENSITY
1.	350	1.2	Class H + 2: 51 + 2: 1/2 sk 1224		74.8	15.0
2.						
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. PSI MIN. PSI  
 HESITATION SQ.  RUNNING SQ. CIRCULATION LOST  YES  NO Cement Circulated To Surf.  YES  NO 1.0 Bbls  
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 21.2 Bbls TYPE OF WELL  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT  
 Washed Thru Perfs  YES  NO TO FT MEASURED DISPLACEMENT  WIRELINE  
 PERFORATIONS CUSTOMER REPRESENTATIVE Hask Demoss DS SUPERVISOR P. ... & ...



REMIT TO: P O BOX 201556  
HOUSTON, TX 77216

# INVOICE

## ORIGINAL

INVOICE DATE
04/27/90

PAGE	1
INVOICE NUMBER	03-12-2544

AMERICAN EXPLORATION

### CONFIDENTIAL

BOX 742  
SYRACUSE KS 67878

TYPE SERVICE
CEMENTING CEMENT SURFACE C

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
1411- <i>C</i>	KS	HAMILTON	ULYSSES KS	DS	
LOCATION / PLANT ADDRESS	DATE OF SERVICE ORDER	CUSTOMER OR AUTHORIZED REPRESENTATIVE			
SEC 14T-21S-41W Account Number	04/26/90	DAROLD DEMOSS Account Description: Cementation			

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
048209000	0-1500' CASING CEMENTER	HR	1	433.0000	433.00
048209001	ADD'L PER FT BELOW 300'	FT	70	.4100	28.70
049102000	TRANSPORTATION CHNT TON MILE	MI	1211	.8000	968.80
049100000	SERVICE CHG CEMENT MATL LAND	CFT	363	1.0000	392.04
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	110.0000	110.00
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	72	2.4000	172.80
040015000	D909, CEMENT CLASS H	CFT	350	6.8500	2,397.50
067005100	S1,CALCIUM CHLORIDE	LBS	658	.3200	210.56
044003025	D29, CELLOPHANE FLAKES	LBS	88	1.3700	120.56
050001005	SHOE REG PTTN GUIDE 8-5/8"	EA	1	200.0000	200.00
056015085	PLATE BAFFLE AL 8-5/8"	EA	1	70.0000	70.00
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
	DISCOUNT - MATERIAL				1,005.21-
	DISCOUNT - SERVICE				652.66-
				SUB TOTAL --	3,690.09
M C	STATE TAX ON			2,237.41	95.09
				AMOUNT DUE --	3,785.18

*50K Face  
Cement*

*A:FE 49-156*

RELEASED  
SEP 07 1991  
*[Signature]*

FROM CONFIDENTIAL

WITH QUESTIONS CALL 316-356-1272  
FEDERAL TAX ID # 38-239-7173  
TERMS -- NET 30 DAYS DUE ON OR BEFORE MAY 27, 1990

THANK YOU. WE APPRECIATE YOUR BUSINESS.  
*Gary A. Kolstad*  
G A KOLSTAD

REMIT TO: P O BOX 201556  
HOUSTON TX 77216

INVOICE

ORIGINAL

INVOICE DATE
04/29/90

PAGE
1

INVOICE NUMBER
03-12-25501

EXPLORATION

OX 742  
YRACUSE

KS 67878

CONFIDENTIAL

TYPE SERVICE
CEMENTING CEMENT PRODUCTIO

WELL NAME / JOB SITE	STATE	COUNTY / CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
ICU 1411 C	KS	HAMILTON	ULYSSES KS		
LOCATION / PLANT ADDRESS	DATE OF SERVICE ORDER		CUSTOMER OR AUTHORIZED REPRESENTATIVE		
SEC 14-21S-41W Account Number	04/28/90 Account Descrip Explanation		FRANK BURKE		

ITEM CODE	DESCRIPTION	UOM	QTY	UNIT PRICE	AMOUNT
059200002	MILEAGE, ALL OTHER EQUIPMENT	MI	71	2.4000	170.40
040215000	CASING CENTR 2500-2999 FT.	BHR	1	1,026.0000	1,026.00
048600000	TOOLS, CASING SWIVEL RENTAL	JOB	1	205.0000	205.00
049102000	TRANSPORTATION CMNT TON MILE	MI	2723	.8000	2,178.40
049100000	SERVICE CHG CEMENT MATL LAND	CFT	879	1.0000	949.32
059697000	PACR TREAT ANALYSIS RECORDER	JOB	1	110.0000	110.00
040003000	D903, CEMENT CLASS C	CFT	406	7.0000	2,842.00
040015000	D909, CEMENT CLASS H	CFT	200	6.8500	1,370.00
045000000	D35, LITEPOZ 3 EXTENDER	CFT	219	2.3000	503.70
045014050	D20, BENTONITE EXTENDER	LBS	3261	.1300	423.93
044003025	D29, CELLOPHANE FLAKES	LBS	206	1.3700	282.22
044002050	D60, FLAC FLUID LOSS ADDITIV	LBS	56	6.7000	375.20
050101044	SHOE CEM TYE GUIDE 4-1/2"	EA	1	105.0000	105.00
052004044	COLLAR ORF FILL AL 4-1/2"	EA	1	305.0000	305.00
056011044	CENTR REG 4-1/2, B DIA 7-3/4"	EA	10	48.0000	480.00
056704044	PLUG CENG 4-1/2" TOP AL CORE	EA	1	70.0000	70.00
056014044	RING STOP HAMMER 4-1/2"	EA	1	16.0000	16.00
057499001	K232, THD LKG COMPOUND KIT	EA	2	22.0000	44.00
056000044	BASKET CENG CASING 4-1/2"	EA	2	130.0000	260.00
	DISCOUNT - MATERIAL				2,648.10
	DISCOUNT - SERVICE				1,716.48

RELEASED

SEP 07 1991

FROM CONFIDENTIAL

H C	STATE TAX ON			4,508.94	191.63
				AMOUNT DUE --	7,623.22

A.F.E 89-156

*[Handwritten signature]*

WITH QUESTIONS CALL 316-356-1272

FEDERAL TAX ID # 38-239-7173

TERMS -- NET 30 DAYS DUE ON OR BEFORE MAY 29, 1990

THANK YOU. WE APPRECIATE YOUR BUSINESS.

*[Handwritten signature: Gary A. Kolstad]*  
G A KOLSTAD