

ORIGINAL

CONFIDENTIAL

RELEASED

NOV 13 1991

SIDE ONE

20472 FROM CONFIDENTIAL

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 Company

Address 2100 NCNB Center
Houston, Texas 77002

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: Gary Oliver

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 **DWIO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

7/13/90 7/17/90 10/27/90

Spud Date Date Reached TD Completion Date

API NO. 15- 075-20,422-0000

County Hamilton

C SE/4 Sec. 8 Twp. 22 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.)

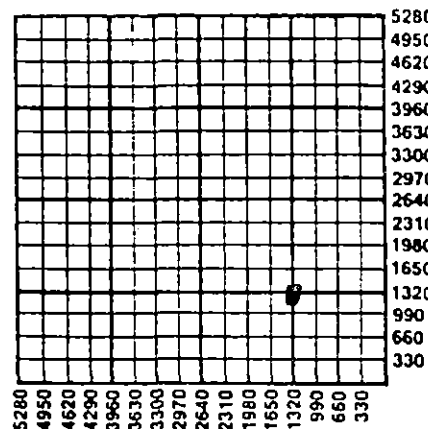
Lease Name HCU Well # 821-B

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3666 KB

Total Depth 2897 PBDT 2834



Amount of Surface Pipe Set and Cemented at 360 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2897

feet depth to Surface w/ 980 750 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 Sr. Production Analyst Date 9/12/90

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

Notary Public [Signature]

Date Commission Expires AUG. 25, 1994

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)

10-29-90

PI

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ORIGINAL

SIDE TWO

Operator Name American Exploration Co. Lease Name HCU Well# 821-B

Sec. 8 Twp. 22 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 (Attach Additional Sheets.) Samples Sent to Geological Survey Cores Taken Electric Log Run (Submit Copy.) Formation Description Log Sample Name Top Bottom Stone Corral Anhy. 2314 (+1363) Winfield 2744 (+933) Ft. Riley 2848 (+829)

CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc.

Table with columns: 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. Rows for Surface and Production.

PERFORATION RECORD Shots Per Foot Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD Size 2-3/8 Set At 2738 Packer At 2738 Liner Run Yes No

Date of First Production SI WOPL 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 Production Interval

ORIGINAL RELEASED

NOV 13 1991

DRILLERS LOG

AMERICAN EXPLORATION COMPANY
HCU #0821-B
SECTION 8-T22S-R41W
HAMILTON COUNTY, KANSAS

FROM CONFIDENTIAL
CONFIDENTIAL

COMMENCED: 07-13-90
COMPLETED: 07-16-90

SURFACE CASING: 348' OF 8 5/8"
CMTD W/130 SX 65/35 POZ, 6% D-20,
3% C.C., 1/4#/SX D-29, TAILED IN
W/100 SX "H", 3% CC, 1/4#/SX D-29

FORMATION	DEPTH
SURFACE HOLE	0- 363
SAND & CLAY	363-1873
SHALE	1873-2363
SHALE & LIME	2363-2770
SHALE	2770-2898 RTD

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

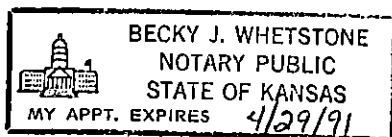
CHEYENNE DRILLING, INC.

A. J. JACQUES

STATE OF KANSAS :ss:

SUBSCRIBED AND SWORN TO BEFORE ME THIS 17TH DAY OF JULY, 1990.

Becky J. Whetstone
BECKY J. WHETSTONE, NOTARY PUBLIC



RECEIVED
STATE OF KANSAS

OCT 29 1990

CONFIDENTIAL ORIGINAL

CASING & CEMENTING REPORT

Well Name HCU 821-B NOV 13 1991 Location SE 1/4 Sec 8 225-41W
Casing 4 1/2 Date 7-15-90

Jts. On	m On	Size	Wt.	Cr.	Rge.	THD	T&C	Make	Jts. Depth	m Run
Locat.	Locat.	mm	kg/m						Run	In Well
68	2946.65	4 1/2	9.5		3	18RD	S		67	2897 m
										2902.42
										1.80
										1.35

Shoe Make Weatherford Type Reg Pattern Length .80 m
 Collar Make Weatherford Type Auto Fill Length 1.35 m
 Landing Jt. (When Used) Length _____ m
 Overall Length of Casing String 2904.57 m
 m Up From K.B. (subtract) 7.57 m
 Setting Depth By Driller 2897 m By Tally 2897.00 m

CENTRALIZERS

SCRATCHERS Turbolizers

Make & No. 4 Position 2882, 2814, 2727, 2640
 Make & No. 8 @ 1637 1680, 1772, Position 1764, 1809, 1898, 1942, 2011
 Remarks (Thread Lock, Weld, Mill) Thread Lock Shoe, Float Collar & Two Collars

Hole Size 7 7/8 mm Casing In Hole Size 4 1/2 mm
 Depth 2898 m Setting Depth 2897 m
 Mud Type Starch Wt. 9.1 kg/m Visc. 41 S/LWL _____ cm
 BOP's 8" 3000#
 Power Tong Co Francis Torque Max. 1300 Min. 950
 Casing String Wt. 30,000 daN Remarks _____

Cementing Co. Davell Operator GREG

TYPES & QUANTITIES OF CEMENT

Date 7-16-90

Filler Volume Amount 400 + 150 sy m³ Type 65/35 Poz Wt. 12.4 kg/m³
 Additives 6% D-20, 3% CC, 1/4" D-29 10% Salt - _____
 Tail In Volume Amount 200 m³ Type Class H Wt. 15.6 kg/m³
 Additives .3% D-60, 1/4" D-29
 HT. Cemented _____ Water Ahead 10 BBL m³ Start Mix 380 @ 6 m³
 Finish Mix 660 @ 2.3 m³ Pumping Press 660 kPa Bump Press 180.0 kPa
 Float Held YES Cement Returns 15 BBL m³
 Plug Down 9:00 AM Date 7-16-90
 Wt. Landed in Slips 30,000# daN Make of Bowl _____
 Size _____ mm Series _____ Slip & Seal Esembly _____
 Remarks (Wellhead - Make, Type, Size) Larkin - Threaded 10 3/4" X 4 1/2"
Rotated Csg While Curing, Csg Torquing on float stop
Rotation

Co. Rep. DON RODGERS

OCT 29 1990

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

CUSTOMER

CONFIDENTIAL

ORIGINAL

15.075-20472-0000

W OILFIELD SERVICES
N INDUSTRIAL SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO. 0312-2835

DSI SERVICE LOCATION NAME AND NUMBER
Ulysses Knott (33-12)

CUSTOMER NUMBER CUSTOMER P.O. NUMBER TYPE SERVICE CODE BUSINESS CODES
285

CUSTOMER'S NAME American Exploration

RELEASED

WORKOVER NEW WELL OTHER W N API OR IC NUMBER

ADDRESS

NOV 13 1990

CITY, STATE AND ZIP CODE

FROM CONFIDENTIAL

ARRIVE LOCATION MO. DAY YR. TIME
07 16 90 05.00

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
07 16 90

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE
Alvin Kuehn

STATE KANSAS CODE COUNTY/PARISH Kearney CODE CITY SYRACUSE

WELL NAME AND NUMBER / JOB SITE HCO 821-B LOCATION AND POOL / PLANT ADDRESS SHIPPED VIA DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
048215-000	LAND CHARGES	Bars	1	1026.00	1026.00
049102-000	DELIVERY CHARGE	Tons/ft	2447	0.80	1957.60
049100-000	LAND Job (connect and additional)	CFT	885	1.06	938.10
059200-002	M. range CHARGE	Mile	65	2.40	156.00
059697-000	PACR (DESIGN/DRAWING)	Job	1	110.00	110.00
056704-044	4" Top Rubber Plug	each	1	70.00	70.00
050101-027	4" Aluminum Hose Guide Shoe	each	1	105.00	105.00
052004-044	4" Anti-Fill Collar	each	1	385.00	385.00
056011-044	4" Centralizers	each	4	48.00	192.00
056731-044	4" Centralizers	each	8	50.00	400.00
056019-044	4" Stop Run	each	1	14.00	14.00
057499-001	THREAD LOCK W/	each	1	22.00	22.00
101094-000	J-433 (Water Celling Agent)	lb	42	1.77	74.34
040015-000	CLASS II Cement	CFT	200	6.85	1370.00
040003-000	CLASS #24 Cement	CFT	358	7.00	2506.00
045008-000	Liberty (LADDER)	CFT	192	2.30	441.60
045014-050	D20 - Barium Chloride	lb	28711	1.30	37324.30
067005-100	SJ - Calcium Chloride	lb	1436	0.32	459.52
045004-050	D44 - Sodium Chloride	lb	4087	0.10	408.70
044003-025	D29 - Collophane Flakes	lb	188	1.30	244.40
044002-050	D61 - Dispersant	lb	56	6.70	375.20

Field Estimate # 11,655.49

LICENSE/REIMBURSEMENT FEE			
LICENSE/REIMBURSEMENT FEE			
REMARKS: 375.20	STATE	% TAX ON \$	
	COUNTY	% TAX ON \$	
Thank You for the job DGC 2.9 1990	CITY	% TAX ON \$	
	SIGNATURE OF DSI REPRESENTATIVE	TOTAL \$	

CEMENTING SERVICE REPORT

15-075-20472-0000



DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03-12-2835 DATE 7/16/90
STAGE DS DISTRICT WY 225

WELL NAME AND NO. HCU 821-B
FIELD POOL HUGOTON
COUNTY/PARISH Kerncy
STATE KANSAS
API. NO.
NAME American Exploration RELEASED
AND
ADDRESS NOV 13 17
ZIP CODE

SPECIAL INSTRUCTIONS FROM CONFIDENTIAL
To cement 4 1/2" production casing to a depth of ± 2900'. Run 10 BBLs of H₂O + Gelled water AHEAD
IS CASING/TUBING SECURED? YES NO
LIFT PRESSURE 1734 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
PRESSURE LIMIT 1000 PSI BUMP PLUG TO + 500 PSI
ROTATE 60 RPM RECIPROCATE FT No. of Centralizers 12

RIG NAME: Cheyenne #5
WELL DATA: BOTTOM TOP
BIT SIZE 7 7/8 CSG/Liner Size 4 1/2
TOTAL DEPTH 2940 WEIGHT 9.5
 ROT CABLE FOOTAGE 2902
MUD TYPE GRADE
 BHST. BHCT. THREAD 8.0
MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 4.9 TOTAL 46.3
MUD VISC. Disp. Capacity 46.3

CONFIDENTIAL

SHOE	TYPE	API Fill	STAGE	TYPE
	DEPTH	2858		DEPTH
1	TYPE	Guide	2	TYPE
	DEPTH	2902		DEPTH

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

JOB SCHEDULED FOR TIME: 0530 DATE: 7/16/90 ARRIVE ON LOCATION TIME: 0515 DATE: 7/16/90 LEFT LOCATION TIME: DATE: 7/16/90

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
0001 to 2400											
8:00	N/A	210	10		5.9	160	8.34				
8:05		270	10		5.9	Gell	8.0				
8:07		380	157		8.57	Cmt	12.4				
8:34		150	54		7.3	Cmt	12.4				
8:42		130	42		7.5	Cmt	15.6				
08:53		0									
8:53		0	46.3		2	160	8.34				
9:01		660			2.3	160	8.34				
9:08		1470			1	160	8.34				
9:09		680									
9:09		0									

PRE-JOB SAFETY MEETING
Bit test
Start pumping wash - H₂O
Start pumping wash
Start lead cmt
Start 2nd lead cmt
Start Tail cmt
Shut down wash line (Dropping)
Start Displacement
Lower Rate
Bump plug
Release psi
End Job

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
			1	2	3	4	BBLs	DENSITY
1.	400	2.21	35/65 Poz/c + 6% D ₂ O + 3% SI + 10% D ₄ H ₂ O 1/2" / 1/4"				157.4	12.4
2.	150	2.0	35/65 Poz/c + 6% D ₂ O + 3% SI + 1/4" / 5K ₂ O ₂				53.4	12.4
3.	200	1.18	CLASS H + 3% D ₆₀ + 1/4" / 5K ₂ O ₂				42.	15.6
4.								
5.								
6.								

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. MIN.
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surt. YES NO 47 Bbls
BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 46.3 Bbls TYPE OF WELL OIL STORAGE BRINE WATER
Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE GAS INJECTION WILDCAT
PERFORMATIONS CUSTOMER REPRESENTATIVE DS SUPERVISOR
TO TO Wm Rogers Greg Black

RELEASED

COPY

15-075-20472-0000

CASING & CEMENTING REPORT

CONFIDENTIAL

NOV 13 1991

Well Name 28-21-B

Location S. Ely Sec 4 22-5 41-4

Casing 8 5/8

Date 2-13-90

FROM CONFIDENTIAL

Jts. On	m On	Size	Wt.	Jts	Depth	m Run
Locat.	Locat.	mm	kg/m	Run	Landed	In Well
<u>8</u>				<u>8</u>	<u>3424</u>	<u>348.68</u>
					m	
					m	
					m	

Shoe Make Weather Type Texas Length 1.00 m
 Collar Make Weather Type Insert Length _____ m
 Landing Jt. (When Used) Length 15.00 m
 Overall Length of Casing String 324.88 m
 m Up From K.B. (subtract) _____ m
 Setting Depth By Driller 310. m By Tally 344.5 m

CENTRALIZERS

SCRATCHERS

Make & No. Weather Road 2 Make & No. _____
 Position 20' - 80' Position _____
 Remarks (Thread Lock, Weld, Mill) Batter 3 Collars

Hole Size 12 1/4 mm Casing In Hole Size N.A. mm
 Depth 363 m Setting Depth _____ m
 Mud Type FROSY Gel Wt. _____ kg/m Visc. S/LWL cm
 BOP's _____
 Power Tong Co N.A. Torque Max. _____ Min. _____
 Casing String Wt. 7,000 daN Remarks _____

Cementing Co. Doherty Operator Mike F. D. Williams

TYPES & QUANTITIES OF CEMENT

Date 2-12-90

Filler Volume Amount 130 SX m³ Type 65/35 P2 Wt. 12.5 kg/m³
 Additives 6% Gel 3% C.C. 1/4 FLOK
 Tail In Volume Amount 100 SX m³ Type N Wt. 19.5 kg/m³
 Additives 6% Gel 3% C.C. 1/4 FLOK
 HT. Cemented S. R. F. C.C. Water Ahead 13 BBL m³ Start Mix 2' 20 m³
 Finish Mix 9' 35 m³ Pumping Press #20K kPa Bump Press 5200 kPa
 Float Held Yes Cement Returns Yes 5 BBL m³
 Plug Down 9' 45 Date 2-13-90
 Wt. Landed in Slips _____ daN Make of Bowl _____
 Size _____ mm Series _____ Slip & Seal Esembly _____
 Remarks (Wellhead - Make, Type, Size)

STATE OF CALIFORNIA Co. Rep. N. D. W. R.

OCT 29 1990

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. **HCU0821-B** LOCATION (LEGAL) **SEC. 8-285-41W**
 FIELD-POOL **BRADSHAW** FORMATION
 COUNTY/PARISH **HAMILTON** STATE **Ks** API. NO.
 NAME **AMERICAN EXPLORATION**
 AND **NOV 13 1991**
 ADDRESS **FROM CONFIDENTIAL**
 ZIP CODE

RIG NAME: **CHEYENNE #5**

WELL DATA:	BOTTOM	TOP
BIT SIZE 12 1/4	CSG/Liner Size 8 7/8	
TOTAL DEPTH 363	WEIGHT 20.0	CONFIDENTIAL
<input checked="" type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 361.98	
MUD TYPE	GRADE K55	
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD 3RD	
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)	TOTAL
MUD VISC.	Disp. Capacity 20.7	

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

SPECIAL INSTRUCTIONS **EQUIPMENT & MATERIALS**
To Do 8 7/8 SURFACE CASING

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE **125** PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT PSI BUMP PLUG TO **340** PSI

ROTATE RPM RECIPROCATATE FT No. of Centralizers **2**

Float	TYPE	Auto Fill/insert	TYPE	
	DEPTH	318.68	DEPTH	
Shoe	TYPE	TEX. PATERN GUIDE	TYPE	
	DEPTH	361.98	DEPTH	

Head & Plugs TBG D.P. SQUEEZE JOB

Double WEIGHT TOOL TYPE

Single GRADE TAIL PIPE: SIZE DEPTH

Swage THREAD TUBING VOLUME Bbls

Knockoff NEW USED CASING VOL. BELOW TOOL Bbls

TOP OR BW DEPTH TOTAL Bbls

BOT OR OW DEPTH ANNUAL VOLUME Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	LINE 53	OR 8-T	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
21:14	1500										
21:16		50	10		2.2	H2O	8.34				
21:18		80	46	10	5	CMT	12.4				
21:26		80	21	56	4	CMT	15.6				
21:31		90		77							
21:33		10									
21:34		70	20.6	77	4	H2O	8.34				
21:38		60		97.6	2	H2O	8.34				
21:40		80			.8	H2O	8.34				
21:42		90		97.6	.8	CMT	12.4				
21:44		340		97.6	0	H2O	8.34				
21:47		0									
21:48											

PRE-JOB SAFETY MEETING **PSI TEST LINES**

START **H2O AXRAD**

START **LEAD CMT**

START **TAIL CMT**

SHUT DOWN

DROP PLUG

START **DISPLACEMENT**

LOWER RATE

LOWER RATE

CMT TO SURFACE

Bump Plug

BLEED OFF PSI - FLOAT HOLDING

END JOB

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED		
							BBLs	DENSITY	
1.	130	2.0	35/05	POE/C	+ 6% D90	+ 3% SI	+ 1/4 #5K D89	46	12.4
2.	100	1.18	CLASS H	+ 3% SI	+ 1/4 #5K D89			21	15.6
3.									
4.									
5.									
6.									

OCT 29 1990

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	MIN.
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> RUNNING SQ.	<input type="checkbox"/> CIRCULATION LOST	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO 3 Bbls
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	20.7 Bbls
Washed Thru Perls	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
PERFORATIONS					
TO					
TO					
CUSTOMER REPRESENTATIVE				SUPERVISOR	
				Mark Edwards	

DOWELL SCHLUMBERGER INCORPORATED

CUSTOMER

P.O. BOX 4378 HOUSTON, TEXAS 77210

COPY

15-075-20472-000

OILFIELD SERVICES
INDUSTRIAL SERVICES

CONFIDENTIAL

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.
03-12-2831

DSI SERVICE LOCATION NAME AND NUMBER

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

TYPE SERVICE CODE

BUSINESS CODES

CUSTOMER'S NAME

AMERICAN EXPLORATION

ADDRESS

RELEASED

CITY, STATE AND ZIP CODE

NOV 13 1991

WORKOVER
NEW WELL
OTHER

W
 N
 O

API OR IC NUMBER

SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION MO. DAY YR. TIME
7 13 90 1800

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
7 13 90 2140

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. **FROM CONFIDENTIAL** in accordance with the terms and conditions as printed on the reverse side of this form.

EQUIPMENT & MATERIALS TO DO 8 5/8 SURFACE CASING

130 SKS 35/65 P03/C 7.6% D907 3% 51 + 1/4 #1 SK D99
100 SKS CLASS H + 3% 51 + 1/4 #1 SK D99

STATE CODE COUNTY / PARISH CODE CITY

KS

CODE

HAMILTON

CODE CITY

WELL NAME AND NUMBER / JOB SITE

LOCATION AND POOL / PLANT ADDRESS

SHIPPED VIA

HCU0291-B

SEC 8 - 225 - 414

05

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
059200-002	MIRAGE CHG	Mi	65	2.40	156.00
048209-000	PHATP CHG	EA	1	433.00	433.00
048209-001	ADDITIONAL FOOTAGE BELOW 300'	FT	61	0.41	25.01
049102-000	DELIVERY CHG	T/M	715	0.80	572.00
049100-000	SERVICE CHG	CUFT	241	1.08	260.28
059697-000	PACR CHG	EA	1	110.00	110.00
040003-000	D903 CLASS C	SK	85	7.00	595.00
040015-000	D909 CLASS H	SK	100	6.85	685.00
045008-000	D35 LITE P02 3	SK	45	2.30	103.50
045014-050	D90 BENTONITE	#	678	0.13	88.14
067005-100	51 CAGID	#	621	0.30	198.72
044003-095	D99 Cellophane FLAKE	#	57	1.37	78.09
050001-085	TEXAS PATTERN GUIDE SHOE	EA	2	100.00	200.00
053002-085	AUTO FILL INSERT	EA	17	16.00	272.00
056011-085	CENTRALIZERS	EA	2	68.00	136.00
048501-085	TOP WOODEN PLUG	EA	1	86.00	86.00
057499-001	K232-THREAD LOCK KIT	EA	1	22.00	22.00

RECEIVED
11-13-91

SUB TOTAL

FIELD EST. # 4018.74

STATE TAX

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

0020.000

REMARKS:

THANKS FOR USING DS !!

STATE % TAX ON \$

COUNTY % TAX ON \$

CITY % TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

TOTAL \$

[Signature]

SIDE ONE

20472

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 Company

Address 2100 NCNB Center
Houston, Texas 77002

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: Gary Oliver

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 ~~OWNED~~ old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable

7/13/90 7/17/90 10/27/90

Spud Date Date Reached TD Completion Date

API NO. 15- 075-20422-0000

County Hamilton

C SE/4 Sec. 8 Twp. 22 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.)

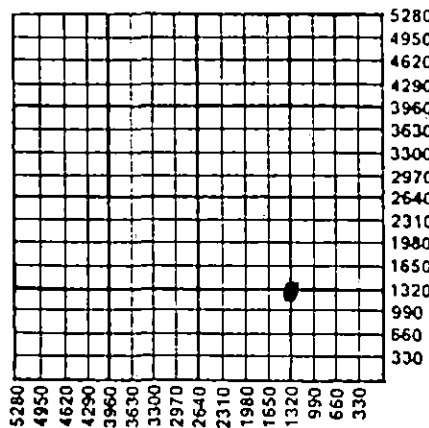
Lease Name HCU Well # 821-B

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3666 KB _____

Total Depth 2897 PBD 2834



10-24-90

Amount of Surface Pipe Set and Cemented at 360 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2897

feet depth to Surface w/ 980 750 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 Sr. Production Analyst Date 9/12/90

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

Notary Public _____

Date Commission Expires AUG. 25, 1994

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) 993

CONFIDENTIAL

COPY

SIDE ONE

20472

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 Company

Address 2100 NCNB Center

Houston, Texas 77002

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: Gary Oliver

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 **OWHO**: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

7/13/90 7/17/90 10/27/90

Spud Date Date Reached TD Completion Date

API NO. 15- 075-20,422-0000

County Hamilton

C SE/4 Sec. 8 Twp. 22 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.)

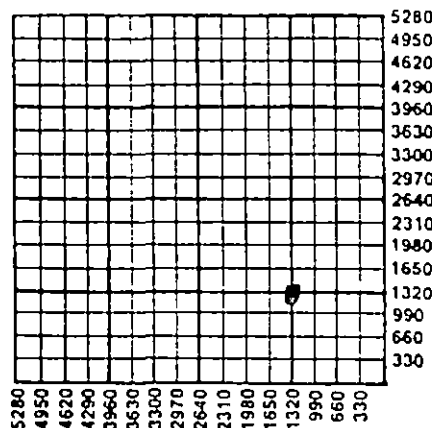
Lease Name HCU Well # 821-B

Field Name Bradshaw

Producing Formation Winfield

Elevation: Ground 3666 KB _____

Total Depth 2897 PBD 2834



10-29-90

Amount of Surface Pipe Set and Cemented at 360 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2897

feet depth to Surface w/ 980 750 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 Sr. Production Analyst Date 9/12/90

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

Notary Public _____

Date Commission Expires Aug. 25, 1994

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)