

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

ORIGINAL

KCC

NOV 2

CONFIDENTIAL

API NO. 15- 071-20594-000

CONFIDENTIAL

County Greeley

C-SW - SW Sec. 27 Twp. 17 Rng. 40

Operator: License # 7040

660 Feet from 3 (circle one) Line of Section

Name: Dernick Resources, Inc.

660 Feet from BTU (circle one) Line of Section

Address 515 West Greens Road
Suite 1150

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

City/State/Zip Houston, Texas 77067-

Lease LEE Well # 2-27

Purchaser: Natural Gas Clearinghouse

Field Name Bradshaw

Operator Contact Person: Terry Maxwell

Producing Formation U Ft. Riley

Phone (316) 624-6405

Elevation: Ground 3580' KB 3589'

Contractor: Name: Norseman Drilling

Total Depth 3010' PBTD 2980'

License: 03779

Amount of Surface Pipe Set and Cemented at 279' Feet

Wellsite Geologist: David Dernick

Multiple Stage Cementing Collar Used? Yes No

Designate Type of Completion

If yes, show depth set _____ Feet

New Well Re-Entry Workover

If Alternate II completion, cement circulated from 3009'

Oil SWD SIOW Temp. Abd.

feet depth to 100' w/ 700 sx cnt.

Gas ENHR SIGW

Drilling Fluid Management Plan ALT 1 JH 12-20-93
(Data must be collected from the Reserve Pit)

Dry Other (Core, WSW, Expl., Cathodic, etc)

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

Chloride content 90,000 ppm Fluid volume 300 bbls.

Operator: _____

Dewatering method used Evaporation

Well Name: _____

Comp. Date 2 Old Total Depth _____

Location of fluid disposal if offsite: RE-MADE

Deepening Re-perf. Conv. to Inj/SWD

Operator Name DEC 2 3 1991

Plug Back _____ PBTD _____

Lease Name _____ License No. _____

Commingled _____ Docket No. _____

Quarter 3 Sec. _____ Twp. _____ Rng. _____ E/W

Dual Completion _____ Docket No. _____

Other (SWD or Inj?) _____ Docket No. _____

7-10-93 7-14-93 9-9-93
Spud Date Date Reached TD Completion Date.

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

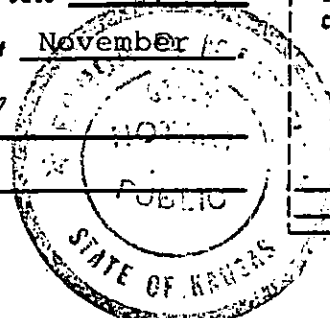
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Terry W Maxwell
Title Consultant to Operator Date 11-2-93

Subscribed and sworn to before me this 2 day of November 19 93.

Notary Public Linda D. Maxwell

Date Commission Expires 12-13-96



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
DISTRIBUTION CORPORATION COMMISSION
KCC SWD/Rep
KCS PLUG
NOV 03 1993
11-03-93
CONSERVATION DIVISION
Wichita, Kansas
Form ACD-1 (7-91)

Operator Name Dernick Resources, Inc.

Lease Name Lee

ORIGINAL

Well # 2-27

Sec. 27 Twp. 17 Rge. 40

East

County Greeley

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.)

List All E.Logs Run: Neut-Density, Gamma Ray
Sonic, Cement Bond Log

<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Name	Top	Datum
Stone corral	2556	1033
Krider	2832	757
U.Winfield	2866	723
U.Ft.Riley	2936	653

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"	23	279	60/40 poz	200	2% gell, 3% CaCl, 1/4 celo
Production	7 7/8"	4 1/2"	10.5	3009	Self stress	100	
"	"	"	"	"	Lite	500	1/4 celo

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	2941-2949	500 gal 15%	2941-49
		7266gal gell KCL, N2	"
		15,000# 20/40 sand	"

TUBING RECORD Size 2 3/8" Set At 2938 Packer At NA Liner Run Yes No

Date of First, Resumed Production, SMD or In. 10-10-93 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		30	10		

Disposition of Gas:
 Vented Sold Used on Lease
 (If vented, submit ACD-18.)

METHOD OF COMPLETION Production Interval
 Open Hole Perf. Dually Comp. Coamingled 2941-49
 Other (Specify) _____

CONFIDENTIAL



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 03125378 DATE 7-14-93
 STAGE DS DISTRICT JULY 35ES KS.

DS-498 PRINTED IN U.S.A.

WELL NAME AND NO. LEE #2-27
 LOCATION (LEGAL) SEC 27-17S-40W
 FIELD/POOL Roadshaw
 COUNTY/PARISH GREENEY
 STATE KS. APL. NO. 1000

NAME Gamma Resources NOV 2
 AND
 ADDRESS
 ZIP CODE

SPECIAL INSTRUCTIONS

RIG NAME: NORSEMAN #2
 WELL DATA: BIT SIZE 7 7/8" CSG/Liner Size 4 1/2" BOTTOM TOP
 TOTAL DEPTH 3240' WEIGHT 10.5L
 MUD TYPE GRADE J-50
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 2.2
 MUD VISC. Disp. Capacity 477

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE Patch tool plug DEPTH 3218
 SHOE TYPE mt nose DEPTH 242

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

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE 2008 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT 1810 PSI BUMP PLUG TO 1810 PSI
 ROTATE RPM RECIPROCATATE FT No. of Centralizers 10

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR O.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400											
0100	0	10			6.3	H2O			7-14-93		7-15-93
0102	260	187			6.3	mt	12.7				
0118	740	97			5.8	mt	12.7				
0132	180	26			5.8	mt	14.2				
0133	220	9			5.8	mt	14.5				
0136	0	478									
0142	180				6.6	H2O					
0145	450	20			6.6						
0148	940	40			2						
0149	740	42			2						
0152	1810	478			2						
0153											
0200											

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED		
					BBLs	DENSITY	
1.	510	2.16	1.5/35 D-22	1.6% D-25	1.4" / 1.5" D-29	14.7	12.2
2.							
3.	106	1.50	ULF stress I	0.8% D-127	0.2% D-46	14.7	14.5
4.							
5.							
6.							

BREAKDOWN FLUID TYPE VOLUME DENSITY PRESSURE MAX. NOV 03 1993
 HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. (1) Bbls TYPE OF WELL OIL GAS STORAGE INJECTION
 Washed Thru Perfs YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS TO TO CUSTOMER REPRESENTATIVE TERRY MAXWELL DS SUPERVISOR DAVID F. GARDNER

RECEIVED
 STATE COMMISSION
 CONSERVATION DIVISION
 WICHITA, KANSAS

CONFIDENTIAL



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER	03-12-5371	DATE	7-10-93
STAGE	DS	DISTRICT	11/28-KS

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. <i>Lee No. 2-27</i>	LOCATION (LEGAL) <i>Sec. 27-17s-40u</i>	RIG NAME: <i>Northwell Rig 2</i>
FIELD-POOL	FORMATION	WELL DATA: BIT SIZE, TOTAL DEPTH, ROT, CABLE, MUD TYPE, MUD DENSITY, MUD VISC.
COUNTY/PARISH <i>Greteley</i>	STATE <i>Kansas</i>	API. NO.
NAME <i>Gamma Resources</i>	<i>KCC</i>	AND <i>NOV 2</i>
ADDRESS	ZIP CODE	NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS <i>Provide materials and services to safely cement the surface pipe</i>	Head & Plugs <input type="checkbox"/> Double, <input checked="" type="checkbox"/> Single, <input type="checkbox"/> Swage, <input type="checkbox"/> Knockoff	TBG SIZE, WEIGHT, GRADE, THREAD	D.P.	SQUEEZE JOB TOOL TYPE, DEPTH
IS CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	LIFT PRESSURE <i>150</i> PSI	CASING WEIGHT + SURFACE AREA (3.14 x R ²)	PRESSURE LIMIT <i>125</i> PSI	BUMP PLUG TO
ROTATE <i>—</i> RPM	RECIPROCATATE <i>—</i> FT	No. of Centralizers <i>1</i>	ARRIVE ON LOCATION TIME: <i>2:00</i> DATE: <i>7-10-93</i>	LEFT LOCATION TIME: <i>0130</i> DATE: <i>7-11-93</i>

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											
12:11 am		110	5		5	110	8.31				
12:14		130	27	5	5	cmf	12.2				
12:22		170	23	43	5	cmf	11.5				
12:29		170	-	65	-	-	-				
12:31		110	13	65		110	8.24				
12:36				80							

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NOV 22 1993

REMARKS FROM CONFIDENTIAL

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
			CLASS	GR	BBLs	DENSITY
1.	100	2.1	Class 100	GR 100	3.1	12.2
2.	100	1.32	Class 100	GR 100	2.3	14.3
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	MIN.
<input type="checkbox"/> HESITATION SQ.	<input type="checkbox"/> BURNING SQ.	CIRCULATION LOST	<input type="checkbox"/> YES <input type="checkbox"/> NO	Cement Circulated To Surf.	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
BREAKDOWN	PSI	FINAL	PSI	DISPLACEMENT VOL.	Bbls
Washed Thru Perfs	<input type="checkbox"/> YES <input type="checkbox"/> NO	TO	FT.	MEASURED DISPLACEMENT	<input type="checkbox"/> WIRELINE
PERFORATIONS	TO	TO	CUSTOMER REPRESENTATIVE	DS SUPERVISOR	STATE CORPORATION COMMISSION

RECEIVED
NOV 03 1993
Wichita, Kansas

Core and Drill Bit Record

CONFIDENTIAL



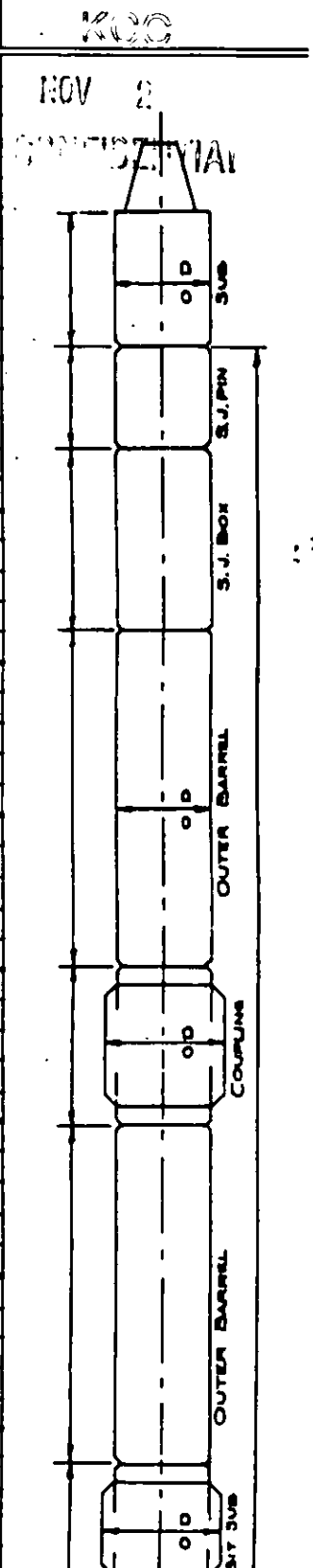
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PART 3
Homco Coring Services
P.O. Box 1590
Pearland, Texas 77588-1590

Company Gamma (Newman)
Well 2-27 Field _____
County Freeley Co. State Kansas
Company Core No. 1 Micalog Core No. 1
Bit No. JA-9024 Type M-71-PDC Size 7 1/2 X 4
Barrel No. _____ Size 1 1/4 X 4 X 30' Cut 30' Recovered _____
Contractor Newman Rig No. #2
API# 15-071-20594

Engineer _____ Date _____
No. 1 Pump Make _____ Size _____
No. 2 Pump Make _____ Size _____
Drill Pipe 7 1/2 X 17
Collars OD _____ ID _____
Mud Weight _____ PV _____ Type _____
Hole Size 7 1/8 CSU _____
Other Tools 2 1/2 ID _____

Start	Depth	Time	Min. Per Foot	FORMATION	Wt. On Bit	Rotary RPM	SPM	GPM	SURFACE PRESS	BIT PRESS DROP	TORQUE
1	06	27	7	CLAY	100	100	55	278	500	75	
2	07	40	3	WINFIELD							
3	08	46	6								
4	09	51	5								
5	2910	6:10	19		2000						
6	11	1:20	10	4 1/2" Drill bit set all out on 12" bit							
7	12	1:27	7	Pick up bit - set - record break all							
8	13	1:35	12	10 min							
9	14	1:44	11								
10	15	1:53	11								
11	16	2:01	11								
12	17	2:10	13								
13	18	2:00	18								
14	19	2:10	10								
15	2920	2:20	10								
16	21	2:29	11								
17	22	2:41	12								
18	23	2:54	13								
19	24	3:06	12								
20	25	3:15	9								
21	26	3:43	10								
22	27	3:51	8								
23	28	10:00	11								
24	29	10:13	13								
25	2930	10:22	11								
26	31	10:47	25								
27	32	11:08	21								
28	33	11:33	25								
29	34	11:51	8								
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