

OIL & GAS COMPLETION SECTION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

#15-153-20,800-0000

ORIGINAL

County Rawlins
330' N
C - SW - SE - Sec. 31 Twp. 5S Rge. 36 E
X V

Operator: License # 6600

Name: Don Karst Well Service, Inc.

Address P. O. Box 1316

City/State/Zip Hays, Kansas 67601

Purchaser: none

Operator Contact Person: Don Karst

Phone (913)-628-1125

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Ron Nelson

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SIOV Temp. Abd.
 Gas ENHR SIGV
 Dry Other (Core, VSW, 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 _____ PBT0
 Commingled _____ Docket No. _____
 Dual Completion _____ Docket No. _____
 Other (SWD or Inj?) _____ Docket No. _____

7/19/94 7/28/94 7/28/94
Spud Date Date Reached TD Completion Date

~~590~~ 990 Feet from (S)K (circle one) Line of Section

1980 feet from (E)W (circle one) Line of Section

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

Lease Name Briney Well # 5

Field Name Tovrea Conf.

Producing Formation none

Elevation: Ground 3415' KB 3420'

Total Depth 4761' PBT0 n/a

Amount of Surface Pipe Set and Cemented at 407 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 407

feet depth to surface v/ 225 ex cnt.

Drilling Fluid Management Plan D&A JH 3-28-95
(Data must be collected from the Reserve Pit)

Chloride content 500 ppm Fluid volume 3000 bbls

Dewatering method used evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

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 Donald Karst

Name Don Karst, President Date 9-14-94

Subscribed and sworn to before me this 14th day of September 19 94

Notary Public Colleen Payton

Date Commission Expires 5-2-95

Colleen Payton
NOTARY PUBLIC
State of Kansas
MY APPT. EXPIRES 5-2-95

E.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
STATE CORPORATION COMMISSION
SEP 26 1994
CONSERVATION DIVISION
WICHITA, KANSAS
Distribution _____ SVD/Rep _____ KGPA _____
Plug _____ Other _____
(Specify)

9-26-94

Operator Name Don Karstg Well service, Inc. Lease Name Briney Well # 5
 Sec. 31 Twp. 5S Rge. 36 East West
 County Rawlins

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:

Log	Formation (Top), Depth and Datum	Sample
Name	Top	Datum
	Top Anhydrite	3133 +293
	Base Anhydrite	3166 +259
	Topeka	4124 -695
	Heebner	4263 -835
	Toronto	4298 -873
	Lansing	4318 -891
	Base Kansas City	4593 -1169
	Marmaton	4609 -1184
	Pawnee	4692 -1269
	Cherokee	4746 -1323

compensated density neutron, dual induction log

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> 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		408'	common	225	3%CC, 2% gell

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	NONE			
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used) Depth
	NONE	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or In] D&A Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N/A Bbls Gas N/A Mcf Water N/A 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 Cemented other (Specify) plugged Production Interval

TRILOBITE TESTING, L.L.C. ORIGINAL

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data *API #15-153-20800*

Well Name BRINEY #5 Test No. 1 Date 7/28/94
 Company DON KARST WELL SERVICE Zone MARMATON
 Address 615W. WICHITA AVE. RUSSELL, 67665 Elevation _____
 Co. Rep./Geo. GATOR Cont. EMPHASIS RIG 8 Est. Ft. of Pay _____
 Location: Sec. 31 Twp. 5 Rge. 36W Co. RAWLINS State KS

Interval Tested	<u>4615-4664</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>49</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4610-4615</u>	Drill Collar - 2.25 Ft. Run	<u>242</u>
Bottom Packer Depth	<u>4664</u>	Mud Wt.	<u>9.4</u> lb/Gal.
Total Depth	<u>4762</u>	Viscosity	<u>47</u>
		Filtrate	<u>9.6</u>

Tool Open @ 1:15 A.M. Initial Blow WEAK SURFACE TO 9" IN 45 MIN-NO BLOW ON FIRST SHUT-IN
 Final Blow WEAK SURFACE TO 7" IN 45 MIN-NO BLOW ON SHUT

Recovery - Total Feet 90 Flush Tool? _____

Rec. 282 Feet of GAS IN PIPE
 Rec. 90 Feet of OIL CUT MUD 3%OIL/97%MUD
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____
 Rec. _____ Feet of _____

BHT 125 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud 2288.1 PSI AK1 Recorder No. 11057 Range 4500
 (B) First Initial Flow Pressure 43.3 PSI @ (depth) 4625 w / Clock No. 21048
 (C) First Final Flow Pressure 61.1 PSI AK1 Recorder No. 11058 Range 4500
 (D) Initial Shut-in Pressure 88.8 PSI @ (depth) 4654 w / Clock No. 25108
 (E) Second Initial Flow Pressure 72.2 PSI AK1 Recorder No. 2023 Range 4000
 (F) Second Final Flow Pressure 73.3 PSI @ (depth) 4737 w / Clock No. 7452
 (G) Final Shut-in Pressure 86.6 PSI Initial Opening 45 Final Flow 45
 (H) Final Hydrostatic Mud 2193.9 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative MARK HERSKOWITZ

RECEIVED
 STATE CORPORATION COMMISSION
 CONSERVATION DIVISION
 SEP 26 1994
 WICHITA, KANSAS

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name BRINEY #5 Test No. 2 Date 7/28/94
Company DON KARST WELL SERVICE Zone PAWNEE
Address 615W. WICHITA AVE. RUSSELL, 67665 Elevation _____
Co. Rep./Geo. GATOR Cont. EMPHASIS RIG 8 Est. Ft. of Pay _____
Location: Sec. 31 Twp. 5 Rge. 36W Co. RAWLINS State KS

Interval Tested	<u>4665-4710</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>45</u>	Wt. Pipe I.D. - 2.7 Ft. Run	_____
Top Packer Depth	<u>4660-4665</u>	Drill Collar - 2.25 Ft. Run	<u>242</u>
Bottom Packer Depth	<u>4710</u>	Mud Wt.	<u>9.4</u> lb/Gal.
Total Depth	<u>4762</u>	Viscosity	<u>47</u> Filtrate <u>9.6</u>

Tool Open @ 8:37 A.M. ^{Initial}Blow WEAK SURFACE TO NO BLOW IN 11 MIN

Final Blow NO FINAL SHUT-IN

Recovery - Total Feet 10 Flush Tool? _____

Rec. 10 Feet of SLIGHTLY OIL STAINED MUD 100% MUD
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 124 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud 2278.0 PSI AK1 Recorder No. 11057 Range 4500

(B) First Initial Flow Pressure 25.5 PSI @ (depth) 4670 w / Clock No. 21048

(C) First Final Flow Pressure 25.5 PSI AK1 Recorder No. 11058 Range 4500

(D) Initial Shut-in Pressure 25.5 PSI @ (depth) 4700 w / Clock No. 25108

(E) Second Initial Flow Pressure 0.0 PSI AK1 Recorder No. 2023 Range 4000

(F) Second Final Flow Pressure 0.0 PSI @ (depth) 4757 w / Clock No. 7452

(G) Final Shut-in Pressure 0.0 PSI Initial Opening 15 Final Flow 0

(H) Final Hydrostatic Mud 2228.6 PSI Initial Shut-in 15 Final Shut-in 0

Our Representative MARK HERSKOWITZ

Russell, KS
913-5861, Great Bend, KS

Phone 913-625-5516, Hays, KS
Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
Phone 913-798-3843, Ness City, KS

OLD

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

8082

ORIGINAL

Date	7-28-94	Sec.	31	Twp.	5	Range	36	Called Out	8:30 PM	On Location	1:00 PM	Job Start	1:45 PM	Finish	5:00 PM
Lease	Brinny	Well No.	5	Location	14N 3W Kearns Fork			County	Rawlins	State	KS				
Contractor	Emphasis Rig #														
Type Job	PTA														
Hole Size	7 7/8		T.D.	1761'											
Csg.			Depth												
Tbg. Size			Depth												
Drill Pipe			Depth	3110'											
Tool			Depth												
Cement Left in Csg.			Shoe Joint												
Press Max.			Minimum												
Meas Line			Displace												
Perf.															

Owner Don Karst Well Service
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 Don Karst Well Service
Street P.O. Box 1316
City Hays State KS 67601
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
X Jack D. Fry

CEMENT

Amount Ordered 190 sk 60/40 670 G+132 cc
Consisting of
Common
Poz. Mix
Gel.
Chloride
Quickset

EQUIPMENT

No.	Cementor	Dean
Pumptrk 276	Helper	
No.	Cementor	
Pumptrk 291	Helper	Bill
	Driver	Jason
Bulktrk 212		
Bulktrk	Driver	

DEPTH of Job 3110'

Reference:	Pump Trk chrg	
	2 ³⁵ per mile	
	2 3/4 Dry Hole Plug	
	Sub Total	
	Tax	
	Total	

Remarks: 1st Plug 3110' w/ 25 sks
2d Plug 2220 w/ 100 sks
3rd Plug 450 w/ 40 sks
16 sks at 40'
15 sks in Part Hole

Handling		Sales Tax
Mileage		
		Sub Total
		Total

Floating Equipment

RECEIVED
STATE CORPORATION COMMISSION
SEP 26 1994
CONSERVATION DIVISION
WICHITA, KANSAS

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

Phone 913-625-5516, Hays, KS
 Phone 913-672-3471, Oakley, KS

Phone 316-886-5926, Medicine Lodge, KS
 Phone 913-798-3843, Ness City, KS

ALLIED CEMENTING CO., INC. 7707

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	7-19-94	Sec.	31	Twp.	5	Range	36	Called Out		On Location	7:30 PM	Job Start		Finish	10:15
Lease	Briney	Well No.	5	Location	Brewster T10 15 N			County	Rawlins	State	Ks				
Contractor	Emphasis Drilling Ry'8											Owner	1 1/2 W 4 N		
Type Job	Surface														
Hole Size	12 1/4		T.D.	415											
Csg.	8"		Depth	408											
Tbg. Size			Depth												
Drill Pipe			Depth												
Tool			Depth												
Cement Left in Csg.	15'		Shoe Joint												
Press Max.			Minimum												
Meas Line	28"		Displace	24 1/2 BBL											
Perf.															

Charge To: *Don Karst Well Service*

Street: _____

City: _____ State: _____

The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *X Jack D. Fry*

CEMENT

Amount Ordered	225 60 3% cc 2% gel		
Consisting of			
Common			
Poz. Mix			
Gel.			
Chloride			
Quickset			
Sales Tax			
Handling			
Mileage			
Sub Total			
Total			

EQUIPMENT

196 No.	Cementer	<i>Dave</i>
Pumptrk <i>103</i>	Helper	
No.	Cementer	<i>Paul</i>
Pumptrk	Helper	
	Driver	
Bulktrk <i>212</i>	Driver	

DEPTH of Job

Reference:	<i>Pump trk chg</i>	
	<i>12 1/4 Per 100 ft</i>	
	<i>8" wooden plug</i>	
	Sub Total	
	Tax	
	Total	

Remarks: *Cement Cir*