

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

Operator: License # 4706

Name: MESSENGER PETROLEUM, INC.

Address 1015 E Hwy 54

City/State/zip Kingman, KS 67068

Purchaser: Mountain Energy (Western Res.)

Operator Contact Person: Jon F. Messenger

Phone (316) 532-5400

Contractor: Name: Duke Drilling

License: 5929

Wellsite Geologist: Jon F. Messenger

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SICW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

01-26-98 02-05-98 02-21-98
Spud Date Date Reached TD Completion Date

API NO. 15- 095-217430000

County Kingman

C S/2 S/2 SE Sec. 29 Twp. 30 Rge. 8 X W

330 Feet from S (circle one) Line of Section

1320 Feet from W (circle one) Line of Section

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

Lease Name O.L. Carrick Well # 2

Field Name Spivey-Grabbs

Producing Formation Mississippian

Elevation: Ground 1650 KB 1658

Total Depth 4754 PBTD 4461

Amount of Surface Pipe Set and Cemented at 254 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 255

feet depth to surface w/ 165 sx cmt.

Drilling Fluid Management Plan Att. 1, 6-17-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 9000 ppm Fluid volume 360 bbls

Dewatering method used settlement

Location of fluid disposal if hauled offsite:

Operator Name Messenger Petroleum, Inc.

Lessee Name Nicholas SWD License No. 4706

NE Quarter Sec. 20 Twp. 30 S Rng. 8 E/W

County Kingman Docket No. D-25,073

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130-S. Market - Room 2078, 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 Jon F. Messenger
Title Pva. Date 5-13-98

Subscribed and sworn to before me this 13 day of May, 19 98.

Notary Public Susan C. Rogers

Date Commission Expires _____

SUSAN C. ROGERS
Notary Public - State of Kansas
My Appt. Expires 9/19/98

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution: MAY SWD/Rep NGPA
 KGS Plug Other
CONSERVATION DIVISION (Specify)
WICHITA, KS

SIDE TWO

14110190

Operator Name Messenger Petroleum, Inc.

Lease Name O.L. Carrick

Well # 2

Sec. 29 Twp. 30 Rge. 8

East
 West

County Kingman

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: Dual Induction - GNL/CDL
Dual Compensated Porosity-GNL/CDL

Name	Formation (Top), Depth and Datum	
	Top	Datum
Herington	1568	+90
Howard	2841	-1183
Heebner	3352	-1694
Lansing	3576	-1918
Swope	4010	-2352
Hertha	4040	-2382
Miss	4320	-2662
Kinderhook	4582	-2924
Viola	4685	-3027
Simpson	4733	-3075

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 new	23	254	60/40 poz	165	2%gel, 3%CC
production	7-7/8	4-1/2 used	10.5	4484	ASC	125	5# kol seal

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	4324 - 4334	(10')	1000 gal 7.5% HCl & MCA	
			16500# 20/40 + 19500# 12/20		4324-34
			+ 4000# 12/20 AC FRAC		4324-34

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-3/8 used	4332					
Date of First, Resumed Production, SWD or Inj: <u>03-10-98</u>				Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	0		390		17		390,000 : 1	

Disposition of Gas: METHOD OF COMPLETION

Vented Sold Used on Lease
(If vented, submit ACO-18.)

Open Hole Perf. Dually Comp. Commingled
 Other (Specify)

Production Interval

4324 - 4334
Miss

ORIGINAL 15-095-21743

Attached to and made a part of ACO-1 on Messenger Petroleum, Inc.
O.L.Carrick #2 , Kingman County, Kansas.

DST #1 (4320-4350) Miss 30-30-60-60 Rec: 3135' GIP, 45' WM, IFP
23-19 FFP 16-27 ISIP 273 FSIP 301 IHP 2170
FHP 2092 BHT 120

DST #2 (4646-4688) Viola 30-30-60-60 Rec: 434' GIP, 62 GOCM,
62' GOMW, 62' MW, IFP 19-48 FFP 57-112
ISIP 1684 FSIP.1695 IHP 2346 FHP 2257 BHT 129

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 15 1908

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC. 5858

ORIGINAL

REMIT TO: P.O. BOX 31
RUSSELL KANSAS 67665

SERVICE POINT: med lodge, ks

DATE: 1-26-98	SEC: 29	TWP: 30s	RANGE: 8w	CALLED OUT: 6:30p.m.	ON LOCATION: 8:30p.m.	JOB START: 11:00p.m.	JOB FINISH: 11:45p.m.
LEASE: 16K	WELL#: 2	LOCATION: MA PLANT, N-1/2E-N-1/2W-N1S			COUNTY: KIMMAN	STATE: KS.	

OLD OR NEW (Circle one)

CONTRACTOR: Dave #1

TYPE OF JOB: Surface

HOLE SIZE: 15/4 TD: 256

CASING SIZE: 8 5/8 x 2 1/4 DEPTH: 255

TUBING SIZE: _____ DEPTH: _____

DRILL PIPE: _____ DEPTH: _____

TOOL: _____ DEPTH: _____

PRES. MAX: 225 MINIMUM: 100

MEAS. LINE: _____ SHOE JOINT: _____

CEMENT LEFT IN CSG: 155L

PERFS: _____

OWNER: Messenger Petroleum

CEMENT:

AMOUNT ORDERED: 16 55xs 60/40
3% CAL 2% Gel

COMMON @ _____

POZ MIX @ _____

GEL @ _____

CHLORIDE @ _____

HANDLING @ _____

MILEAGE @ _____

TOTAL _____

EQUIPMENT

PUMP TRUCK: CEMENTER Ardu Oreilha

233-300 HELPER: Justin Hart

BULK TRUCK # 242 DRIVER: Mark Brandgard

BULK TRUCK # _____ DRIVER: _____

REMARKS:

Pipe on Bottom Break Pipe
mix & pump 16 55xs 60/40/3% CAL
2% Gel Release Oil
Displace 15/4 Bbs Fresh H₂O
Shut In Cement Circ. to
Surface

SERVICE

DEPTH OF JOB: 255

PUMP TRUCK CHARGE @ _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

PLUG: wooden 8 5/8 @ _____

TOTAL _____

CHARGE TO: Messenger Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

RECEIVED @ _____

WONG CORPORATION @ _____

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

MAY 15 1998

TAX _____ CONSERVATION DIVISION WICHITA, KS

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE: [Signature]

ALLIED CEMENTING CO., INC.

5837

ORIGINAL

REMIT TO: P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
Medicine Lodge

DATE 2-5-98	SEC 29	TWP 30	RANGE 8	CALLED OUT 7:05 AM	ON LOCATION 7:15	JOB START 3:10 PM	JOB FINISH 3:50 PM
LEASE	WELL# 2	LOCATION NAC PART 1 N 1/2, 1/4 SW 1/4		COUNTY K. VERNON	STATE KS		

OLD OR NEW (Circle one)

CONTRACTOR Duke Ragan OWNER Messenger Petroleum

TYPE OF JOB Production CEMENT

HOLE SIZE 5" TD 4754

CASING SIZE 4 1/2 x 10.5 DEPTH 4406

TUBING SIZE DEPTH 25 x 60 40.4

DRILL PIPE DEPTH 500 Gal mud clean

TOOL DEPTH

PRES. MAX 1100 MINIMUM 100

MEAS. LINE SHOE JOINT 1326

CEMENT LEFT IN CSG

PERFS

EQUIPMENT

PUMP TRUCK CEMENTER Carl Erding
#253-263 HELPER Shane Winger

BULK TRUCK #257-514 DRIVER John Kelly

BULK TRUCK # DRIVER

REMARKS:

Flow on bit-tem break circulation
w/Ria circulate for 40 minutes
W/ 500 Gal mud clean then RIA
Flow 2 1/2" x 60 40.4 start ASC cement
Cement to surface valves in ash pipe + hoses
Switch valves + release plug + Displace
w/HW/400 Freshwater (Bump plug + float head)

CHARGE TO: Messenger Petroleum

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 4436

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

PLUG: Kuller @

@

TOTAL

FLOAT EQUIPMENT

1 Regular Guide Shoe @

1 GPU Insert @

2 Centralizers @

1 Basket @

@

RECEIVED

KANSAS CORPORATION COMMISSION

TOTAL

MAY 1998

TAX

CONSERVATION DIVISION

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

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 is listed. The above work was
done to satisfaction and supervision of owner agent or
contractor. I have read & understand the **TERMS AND
CONDITIONS** listed on the reverse side.

SIGNATURE *[Signature]*

Tom F. Messenger

Date: 2-5-98 District: Medicine Lodge Ticket No: 5839
 Company: Messenger Petroleum Rig: Dulse 1
 Lease: Carl Carrick Well No: 2
 County: Kearney State: Kansas
 Location: MPC Plant LN 55 Field: 24-305-8W
LN 55

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size: 42 Type: _____ Weight: 10.5 Collar: _____

Casing Depths: Top: 40 Bottom: 4486

Drill Pipe: Size: _____ Weight: _____ Collars: _____
 Open Hole: Size: 1 1/8 T.D. 4754 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbbls/Lin. ft. 0.159 Lin. ft./Bbl. 2.270
 Open Holes: Bbbls/Lin. ft. 0.602 Lin. ft./Bbl. 1.659
 Drill Pipe: Bbbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbbls/Lin. ft. 0.406 Lin. ft./Bbl. 2.464
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: 500 Gal Mud Clean
 Amt. _____ Sk. Yield _____ ft³/sk. Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type: 60-40-4
 Excess _____

Amt: 25 Sk. Yield 1.46 ft³/sk. Density _____ PPG _____

TAIL: Pump Time _____ hrs. Type: ASC 25" K-Process
 Excess _____

Amt. _____ Sk. Yield _____ ft³/sk. Density _____ PPG _____
 WATER: Lead 6-7 gals/sk. Tail 7-2 gals/sk. Total 3-8 Bbbls _____

Pump Trucks Used: 250 265 Stone L. H. Isaac
 Bulk Equip: 259-314 John Kallis

Float Equip: Manufacturer: Gemoco
 Shoe: Type: Regular 6" Lin. shoe Depth: 4476
 Float: Type: API Incon Depth: 4472
 Centralizers: Quantity 3 Plugs Top: Rubber Btm: _____
 Stage Collars: _____
 Special Equip: 1 Basket
 Disp. Fluid Type: Freshwater Amt. _____ Bbbls Weight: 834 PPG _____
 Mud Type: _____ Weight: _____ PPG _____

COMPANY REPRESENTATIVE: Tom Messenger CEMENTER: Carl Dabbling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS	
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period		RATE Bbbls Min.
2:25						pipe on bottom breaks circulation with rig	
2:10 pm		400		12	12	5	start flush mud clean flush
				18	6	3	mix + pump 25 x 60-40-4 to plug rat hole + mouse hole
3:23 pm		350		53	35	6	start ASC cement 125 x 1
3:30 pm							cement in stop pump
							switch valves + flush pump 54 lines
							switch valves + release plug
3:33 pm		250				6	start displacement
		150		25	22	6	mud clean turn shoe
		150		87	12	6	annulus turn shoe
						42	slow rate
						45	steady rate
		250		103	16	45	see list + pressure
		500		123	20	3	slow rate
3:47		1100		125	2.75		Bump plug (Relate. pressure + float held)

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MAY 15 1998

CONSERVATION DIVISION
 WICHITA, KS
 BBLs THANK YOU



CEMENTING LOG

STAGE NO.

ORIGINAL

Date: 5-26-98 District: med/leach Ticket No: 5858
 Company: Messmer Petroleum Rig: Duke #1
 Lease: O.L. Carrick Well No: 2
 County: Kingman State: KS
 Location: Mad Plant In-1E-120 Field: 29-30-8
15w-5K

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size: 8 5/8 Type: T-55 Weight: 24 Collar: _____

Casing Depths: Top 255-8 5/8 Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.60 Collars: Xhole
 Open Hole: Size 12 1/4 T.D. 256 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.637 Lin. ft./Bbl. 15.70
 Open Holes: Bbls/Lin. ft. 1.458 Lin. ft./Bbl. 6.8599
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 0.735 Lin. ft./Bbl. 16.3025
 Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE: Mike Godfrey

CEMENT DATA: Spacer Type _____
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG _____

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG _____

TAIL: Pump Time _____ hrs. Type CLASS A
60/40/30% CMC + 2% Gel Excess 100%

Amt. 165 Skys Yield 1.26 ft³/sk Density 14.8 PPG

WATER: Lead _____ gals/sk Tail 56 gals/sk Total _____ Bbls _____

Pump Trucks Used: 233-300 Justin H.

Bulk Equip: 242 Mark B.

Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top wood Btm. _____

Stage Collars _____

Special Equip: _____

Disp. Fluid Type Fresh H₂O Amt. 1.5/4 bbls. Weight 8.34 PPG

Mud Type CHEMICAL Weight 9.1 PPG

CEMENTER: Larry Dreckling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
11:00		200				Pipe on Bottom - Break Circ.
11:15		225		37	3/2	Mix + Pump 165 sks. 60/40/30% CMC + 2% Gel.
11:22		100		10	4	Release Plug
		150		15/4	3	Pump + Displace Plug w/ Fresh H ₂ O
11:28		125				Stop Pumps
						Shift In.
						Cement Circ to Surface.

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CONSERVATION DIVISION
 WICHITA, KS

Taylor Printing, Inc., Pratt, KS