

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION **ORIGINAL**

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34529
Name: Morton Salt, Inc.
Address 1: PO Box 1547
Address 2: _____
City: Hutchinson State: KS Zip: 67504 + 1547
Contact Person: Ed Willse
Phone: (620) 669 - 6421
CONTRACTOR: License # 6427
Name: Rosencratz - Bemis Enterprises Inc
Wellsite Geologist: _____
Purchaser: NA

API No. 15 - 155-21570-00-00
Spot Description:
NW NE SW NW Sec. 14 Twp. 23 S. R. 6 East West
1,520 Feet from North / South Line of Section
680 Feet from East / West Line of Section

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Corr, Expl., etc.): Salt exploration

Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Reno
Lease Name: None Well #: E1
Field Name: NA
Producing Formation: NA
Elevation: Ground: 1525 ft Kelly Bushing: 1530 ft
Total Depth: 858 Plug Back Total Depth: 858
Amount of Surface Pipe Set and Cemented at: 170 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

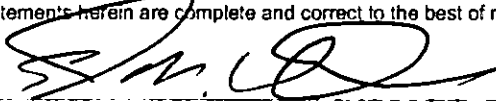
If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
5/12/2011 5/18/2011 5/19/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 250,000 ppm Fluid volume: 150 bbls
Dewatering method used: _____
Location of fluid disposal if hauled offsite:
Operator Name: Taken to Morton Salt Production Plant
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. East West
County: _____ Permit #: _____

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 of 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.

AFFIDAVIT

I am the affiant and I hereby certify that 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: 
Title: Mining Engineer Date: 6/20/2011

KCC Office Use ONLY

Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Dlg Date: 7/1/11

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Operator Name: Morton Salt, Inc. Lease Name: None Well #: E1
 Sec. 14 Twp. 23 S. R. 6 East West County: Reno

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input checked="" type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Bedrock	75 ft	GL
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Salt	473 ft	GL
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

List All E. Logs Run:

Gamma ray, neutron, compensated density, caliper

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"	23	170	Class A	185	2% gel, 3%CaCl2

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
	No perforations or plugs		

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

No tubing

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil	Bbl's.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS:	METHOD OF COMPLETION:	PRODUCTION INTERVAL:
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18)</i>	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i>	
	<input checked="" type="checkbox"/> Other (Specify) plugged	

TREATMENT REPORT

Acid Stage No. _____

Date: 5/19/11 District: Sarkis F. O. No. _____
 Company: Dallas Dallas
 Well Name & No.: Morgan S.W. Test Well #1
 Location: _____ Field _____
 County: DeWitt State: Kan.

Casing: Size _____ Type & Wt. _____ Set at _____ ft.
 Perforation: _____ Perf. _____ to _____ ft.
 Perforation: _____ Perf. _____ to _____ ft.
 Perforation: _____ Perf. _____ to _____ ft.
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No _____ Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. 2 7/8 Swung at 850 ft. to _____ ft.
 Perforated from _____ ft. to _____ ft.

Open Hole Size _____ T.D. _____ ft. P.D. to _____ ft.

Type Treatment: Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____

Blowdown: _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____

Flush _____ Bbl./Gal. _____

Treated from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____

Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.

Pump Trucks: No. Used: Std. 323 Bu. _____ Twin _____

Auxiliary Equipment Bulk Tanks 322

Packer: _____ Set at _____ ft.

Auxiliary Tools _____

Plugging or Sealing Materials: Type 317 500 Class B Cement

Company Representative _____

Treater: Gregory D.

TIME a.m./p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casings		
11:40				Cin location 12 TSSA + Rig up
12:00				Truck tubing start water to break circ.
	200		32 BBL	Catch cement 3 BBLX 200
			52 BBL	Break Circ start mixer
	100		593 BBL	Gas down hole 3 1/2 BBL 25.3 slurry
12:33				300 Back away acid cement to surface.
				Shut down of well tubing out
				Spec. Minn taken 11/11 OK
			63 BBL	93 BBL to top of 317 sack total used wash
1:30				up back up hole become

PLUGGING

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TREATMENT REPORT

Acid Stage No.

Date 5/11/11 District G.B. F. O. No. C36328
 Company No. King Drilling
 Well Name & No. Mo-Jon Self New Field Test 1
 Location _____ Field _____
 County Reno State KS
 Casing: Size 8 5/8" Type & Wt. _____ Set at _____ ft.
 Formation: _____ Perf. _____ to _____
 Formation: _____ Perf. _____ to _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No _____ Perforated from _____ ft. to _____ ft.
 Tubing: Size & Wt. _____ Swung at _____ ft.
 Perforated from _____ ft. to _____ ft.
 (Hole Size _____ T.D. _____ ft. P.D. to _____ ft.)

Type Treatment: Amt. _____ Type Fluid _____ Sand Size _____ Pounds of Sand _____
 Breakdown: _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 from _____ ft. to _____ ft. No. ft. _____
 Actual Volume of (H₂O) / Water to Lead Hole: _____ Bbl./Gal.
 Pump Trucks: No. Used: 320 Sp. _____ Twin _____
 Auxiliary Equipment 317/310
 Parker: _____ Set at _____ ft.
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type _____

Company Representative G.C. Treater Nathan W.

TIME a.m. / p.m.	PRESSURES		Total Fluid Pumped	REMARKS
	Tubing	Casing		
10:00	-	8 5/8"		On Location.
:				
:				8 5/8" @ 170'
:				Circulate hole for 30 min.
:				Mix 185 lbs. Common 2% wt. 3% C.C.
:				Displace w/ 10 bbls @ 5 bpm @ 200# circulated cement to surface.
3:00				
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 Thank You!
 Nathan W.
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SURFACE CASING

MORTON SALT

A K+S Group Company

Kansas Corporation Commission
130 S. Market – Room 2078
Wichita, KS 67202

6/21/2011

RE: Morton Salt Well E-1 Completion

Attached are completed forms ACO-1, CDP-4, CDP-5 and the open hole log for the salt exploration well that Morton Salt drilled in Reno County. This well was drilled on the property that will be our next brine field location and was drilled only to get information on the salt deposit in that location. It was logged on 5/18/2011 and plugged the next day. Please let me know if there is anything else I can provide



Ed Willse
Solution Mining Engineer
620-669-6421

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