Confidentiality Requested:
☑ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1208940

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5003
Name: McCoy Petroleum Corporation
Address 1: 9342 E CENTRAL
Address 2:
City: WICHITA State: KS Zip: 67206 + 2573
Contact Person: Scott Hampel
Phone: (316) 636-2737
CONTRACTOR: License # 5142
Name: Sterling Drilling Company
Wellsite Geologist: Dave Williams
Purchaser: MVPurchasing / Oneok Midstream

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 *(Core, Expl., etc.)*:

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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

3/10/2014 Spud Date or Recompletion Date
3/19/2014 Date Reached TD
4/18/2014 Completion Date or Recompletion Date

API No. 15 - 15-097-21776-00-00
Spot Description: NW SW SE
- NW SW SE Sec. 23 Twp. 30 S. R. 19 ☐ East ☑ West
990 Feet from ☐ North / ☑ South Line of Section
2310 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Kiowa
Lease Name: McKINNEY TRUST "A" Well #: 2-23
Field Name: Alford
Producing Formation: Mississippian
Elevation: Ground: 2222 Kelly Bushing: 2231
Total Vertical Depth: 5200 Plug Back Total Depth: 5144
Amount of Surface Pipe Set and Cemented at: 270 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.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content: 40000 ppm Fluid volume: 1800 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Roberts Resources, Inc.
Lease Name: MARY #1-16 SWDW License #: 32781
Quarter NE Sec. 16 Twp. 29 S. R. 18 ☐ East ☑ West
County: Kiowa Permit #: D-28396

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.

Submitted Electronically

KCC Office Use ONLY
☑ **Confidentiality Requested**
Date: 06/06/2014
☑ **Confidential Release Date:** 06/05/2016
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 06/09/2014

[redacted] 1208940

Operator Name: McCoy Petroleum Corporation Lease Name: McKINNEY TRUST "A" Well #: 2-23

Sec. 23 Twp. 30 S. R. 19 ☐ East ☑ West County: Kiowa

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

List All E. Logs Run:

Pioneer: Gamma Ray, Caliper, Dual Induction, Dual Compensated Density, Borehole Compensated Sonic, Microresistivity, Sonic Cement Bond Log

☐ Log Formation (Top), Depth and Datum ☐ Sample

Name Top Datum

See Attached Tops

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
Conductor	17.5	13.375	48	270	60/40 Pozmix	295	2%Gel, 3%CC, 1/4#/sx Celoflake
Surface	12.25	8.625	24	609	A-Conn	175	3%CC, 1/4#/sx Celoflake
Production	7.875	5.5	15.5	5194	AA-2, McCoy Blend	150	Blend

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☑ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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
4	5069-5078' (Miss:Spergen 'B')	AC: 1000gals 15% MCA. REAC: 3000gals 20% SGA, 125 Ball Sealers	5078

TUBING RECORD: Size: 2.875 Set At: 5141 Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 4/18/2014

Producing Method: ☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	13	28	24		

DISPOSITION OF GAS: ☐ Vented ☑ Sold ☐ Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL: 5069-5078' (Miss)

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	McCoy Petroleum Corporation
Well Name	McKINNEY TRUST "A" 2-23
Doc ID	1208940

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Number of Sacks Used	Type and Percent Additives
Conductor	17.5	13.375	48	270	60/40 Pozmix	295	2%Gel, 3%CC, 1/4#/sx Celoflake
Surface	12.25	8.625	24	609	A-Conn	175	3%CC, 1/4#/sx Celoflake
Production	7.875	5.5	15.5	5194	AA-2, McCoy Blend	150	Blend

McKINNEY TRUST “A” #2-23 ACO-1 Supplemental Information

API#: 15-097-21776

SAMPLE TOPS
McCoy Petroleum Corporation
McKinney Trust 'A' #2-23
NW SW SE
990'FSL & 2310'FEL
Sec 23-30s-19w
KB: 2231’

	Depth	Datum
LeCompton	4017	-1786
Queen Hill	4050	-1819
Heebner	4230	-1999
Brown Lime	4418	-2187
Lansing	4439	-2208
Lansing "B"	4458	-2227
Lansing "F"	4555	-2324
Kansas City "H"	4609	-2378
Kansas City "J"	4723	-2492
Stark	4766	-2535
Hushpuckney	4815	-2584
Marmaton	4874	-2643
Pawnee	4945	-2714
Cherokee	4984	-2753
Mississippian	5052	-2821
Spergen	5090	-2859
Warsaw	5114	-2883
RTD	5200	-2969

LOG TOPS
McCoy Petroleum Corporation
McKinney Trust 'A' #2-23
NW SW SE
990'FSL & 2310'FEL
Sec 23-30s-19w
KB: 2231’

	Depth	Datum
LeCompton	4017	-1786
Queen Hill	4050	-1819
Heebner	4230	-1999
Brown Lime	4416	-2185
Lansing	4439	-2208
Lansing "B"	4459	-2228
Lansing "F"	4555	-2324
Kansas City "H"	4609	-2378
Kansas City "J"	4723	-2492
Stark	4766	-2535
Hushpuckney	4813	-2582
Marmaton	4874	-2643
Pawnee	4945	-2714
Cherokee	4984	-2753
Mississippian	5052	-2821
Spergen	5090	-2859
Warsaw	5114	-2883
LTD	5200	-2969

GEOLOGICAL REPORT
Larry A. Nicholson

37.4138426
-99.3635181

COMPANY & WELL McCoy McKinney Trust 'A' #2-23
LOCATION 990' FSL 2310' FEL NW SW SE
SEC 23 TWP 30S RGE 19W
COUNTY Kiowa STATE Ks

COMPANY McCoy Petroleum Corporation
API # 15-097-21776 FIELD Alford
LEASE McKinney Trust 'A' WELL # 2-23
LOCATION NW SW SE
SURVEY 990' FSL 2310' FEL
SECTION 23 TWP 30S RGE 19W
COUNTY Kiowa STATE Kansas

CONTRACTOR Sterling Drilling Rig # 4
SPUD 3-11-14 8:30 pm COMP
RTD 5200 12:50pm 3-18-14 LTD 5202
MUD UP AT 3440
MUD TYPE Chemical, MudCo

ELEVATIONS
K.B. 2231
D.F.
G.L. 2222
All measurements from K.B. 2231

SAMPLES SAVED FROM 3900 to RTD
DRILLING TIME FROM 3900 to RTD
SAMPLES EXAMINED FROM 3900 to RTD
GEOLOGICAL SUPERVISION FROM 3900 to RTD
WELLSITE GEOLOGIST LARRY A. NICHOLSON

CASING RECORD
Conductor 270' of 13 3/8 w/ 295 sx
Surface 609' of 8 5/8 w/ 175 sx
Production 5194' of 5 1/2 w/ 150 sx

ELECTRICAL SURVEYS Pioneer, Den, Neu, Dual, Micro, Sonic

FORMATION TOPS & STRUCTURAL POSITION

FORMATION	SAMPLE TOPS	SUBSEA DATUM	ELEC LOG TOPS	SUBSEA DATUM	REFERENCE WELL A			REFERENCE WELL B		
Heebner	4230	-1999	4230	-1999	4230	-1989	-10	4239	-1985	-14
Brown Lime	4416	-2185	4416	-2185	4419	-2178	-7	4425	-2171	-14
Lansing	4439	-2208	4439	-2208	4440	-2199	-9	4446	-2192	-16
Stark	4766	-2535	4766	-2535	4764	-2523	-12	4773	-2519	-16
Hushpuckney	4813	-2582	4813	-2582	4812	-2571	-11	4821	-2567	-15
Marmaton	4871	-2640	4871	-2640	4874	-2633	-7	4882	-2628	-12
Pawnee	4945	-2714	4945	-2714	4940	-2699	-15	4952	-2698	-16
Cherokee	4984	-2753	4984	-2753	4989	-2748	-5	4996	-2742	-11
Mississippian	5057	-2826	5057	-2826	5054	-2813	-13	5062	-2808	-18
Spergen Ø	5088	-2857	5088	-2857	5088	-2847	-10	5088	-2834	-23
RTD	5200	-2969	5200	-2969	5225	-2984		5200	-2946	
LTD	5202	-2971	5202	-2971	5226	-2985		5200	-2946	

REFERENCE WELLS
A: McCoy, McKinney Trust 'A' #1-23, 1980' FSL & 2310' FEL, W2 NW SE, Sec. 23-30S-19W, KB 2248
B: McCoy, Hill 'A' #1-23, 2310' FSL & 1980' FWL, N2 NE SW, Sec. 23-30S-19W, KB 2254

REMARKS & RECOMMENDATIONS:
Based on dst results and sample shows 5 1/2 csg was set.

LAN 7/92, Modified 5/05, 11/11, 4/12 Hanover, KS 66945 1inch = 25.4mm 8.5 x 97.5 216 mm x 2460 mm

LEGEND

Limestone, Ool Limestone, Dolomite, Chert, Shale, Carbonaceous Shale, Salt, Sandstone, Anhydrite

SAMPLE DESCRIPTIONS

Mud Check 5 at 3949': vis: 55 wt: 9.0 Chlor: 6000 LCM: 18 Ph: 10.5 WL: 9.6

Sh,lt brn vslt, lt gry, lt gm gry, silty in part

Sh,lt brn vslt,

Ls, wht tan, vfn xln, foss - dk gry in part, n odor, n sho

Ls, crm lt gry, micro-vfn xln, scat spary & lt gry foss, n stn, n odor, n sho

Ls, crm- lt gry, micro xln, lithic, scat lt gry chert, chlky in part, n odor, n sho

Sh,lt gry, gry, sft, grn gry sli wxy

Ls, lt tan, micro xln, lithic w/few spary fill suture, spary foss clr & lt gry in part, n stn, n odor, n sho

Sh, lt gry silty, mica

Ls,wht, micro xln,w/fn spary xln, n stn, n odor, n sho

Sh, md gry, sft, trc dism pyrite in few,

Ls, wht crm, micro xln, dns, scat crm chert, n stn, n odor, n sho

Sh, md gry, silty, gry grn vsft

Sh, md gry, vsft silty clay

Ls, wht lt gry-lt gry, micro xln, dns, n vis por, scat lt crm chert, n odor, n sho

Ls, wht crm, lt gry, micro xln, dns, n vis por, few w/spary calc xln, scat lt tan chert, n odor, n sho

Sh, md gry, lmy, scat pyrite

Ls, wht crm, micro xln, dull, dns, n vis por, few chnnoid stems, n odor, n sho

Ls, wht crm- lt gry, micro xln, dull, dns, lt gry foss inclus, n vis por, n odor, n sho

Sh, blk carb, md gry, lt gry silty & mica

Ls, wht crm- lt gry, micro xln, dull, n sho

Sh, blk carb, more fissl, sli mica

Sh, md gry, sli mica

Ls,crm lt gry micro xln, dull, -vfn xln, dull- sli spary calc, 5 cutn tan brn dns ool grnstn, n vis por, n stn, n odor, n sho

Ls,crm lt gry micro xln, dull, -vfn xln, dull- sli spary calc, 5 cutn tan brn dns ool grnstn, n vis por, n stn, n odor, n sho

Sh, blk, dk gry, lt gry, brn org,

Ls,crm lt gry micro xln, dull, -vfn xln, dull- sli spary calc, 5 cutn tan brn dns ool grnstn, n vis por, n stn, n odor, n sho

Ls, wht sli gry, micro xln, scat fn xln spary calc, chlky in part, n stn, n odor, n sho

Ls, wht sli gry, micro xln, scat fn xln spary calc, scat clr tranl chert, n odor, n stn, n sho

Ls, wht sli gry, micro xln, scat fn xln spary calc, 5% vfn xln, chlky, n stn, n odor, n sho

Sh, blk, dk gry, lmy

Ls, wht lt gry, motld, vary granular to dns, n stn, n odor, n sho

Ls, wht lt gry, sli motld in part, dns, n vis por, n stn, n odor, n sho

Ls, wht- sm cutn,micro xln, w/sm spary calc xln, n stn, n odor, n sho

Ls, crm, micro xln, dns, n vis por, sli wht tan chert, n odor, n stn, n sho

Ls, crm, micro xln, dns, n vis por, 5 cutn tite foss grnstn, n intra grn por, n stn, n odor, n sho

Ls,wht lt crm, micro xln, clr spary calc xln, few healed sutures, n por, n stn, n odor, n sho

Sh, md gry, silty,

Sh, blk carb, md gry, silty, sft sli wxy

Ls, lt gry, vfn xln, dns, sec cmt, scat wht chert, n odor, n stn, n sho

Sh, blk carb, md gry, silty, sft sli wxy

Ls, lt gry, micro-vfn xln, britl, chlky, spks gil stn in few, n odor, n sho

Sh, blk carb, md gry sli mica,

Sh, vslft wht& lt gry clay

Ls, wht lt gry, vfn xln, sli dol, britl, chlky, n stn n odor, n sho

Ls, wht lt gry, micro-vfn xln, sli dol,few foss, britl, chlky, n stn n odor, n sho

Sh, md gry, sft, lt gry silty

Sh, md gry vsft, silty, sli mica, trc blk incl

Sh, md gry vsft, silty, sli mica, trc blk incl

Ls, wht crm, vfn xln, sli spary, brittl, n odor, n stn, n sho

Sh, md gry vsft, silty, sli mica, trc blk incl, trc pyrite

Sh, md gry vsft, silty, sli mica, trc blk incl, brn

Ls, wht crm, vfn xln, scat spary xln, , brittl, n odor, n stn, n sho

Sh, md gry vsft, silty, sli mica, trc blk incl, vsft brn

Sh, md gry vsft, silty, sli mica, trc blk incl, vsft brn

Sh, md gry vsft, silty, sli mica, trc blk incl, trc pyrite

Sh, md-lt gry vsft, silty, sli mica, trc blk incl,

Sh, md-lt gry vsft, silty, sli mica, trc blk incl,

Sh, md-lt gry vsft, silty, gry brn, sli mica, trc blk incl,

Ls, wht, micro xln, trc wht chert scat in shale,

Sh, md-lt gry vsft, silty, gry brn, sli mica, trc blk incl,

Sh, md-lt gry vsft, silty, gry brn, sli mica, trc blk incl,

Mud Check 6 at 4,415: vis: 52 wt: 10.4 Chlor: 9,000 LCM: 28 Ph: 10.0 WL: 10.4

Ls, lt brn motld tan, micro xln, sli granular, foss, nearly grmstn, dns, n vis por, trc sm tranl chert, n stn, n odor, n sho

Sh, md-lt gry, firm, lt gry vsft, few w/ fn pyrite

Ls, wht w/motld md gry bioclastics, nearly grnstn, n vis por, n stn, n odor, n sho

Ls, wht w/motld tan, dns, sli granular, sli foss, n vis por, trc wht chert, poss sli brn gil stn, n odor, n flor, n sho

Sh, md-lt gry silty, , sli mica in part

Ls, 3% brn micro xln, dns, ool grnstn, n intra grn por, n stn, n odor, n sho

Ls, wht lt crm, micro xln, dull, trc spary calc in part, n stn, n odor, n sho

Sh, md-lt gry

Ls, tan, vfn xln, granular in part, pr sec xln por, trc md brn gil stn, scat wht chert, chlky in part, n odor, n flor, n sho

Ls, crm lt tan, vfn xln, granular in part, pr sec xln por, trc spary calc xln, n odor, n stn, n sho

Ls, crm lt tan, vfn xln, granular in part, pr sec xln por, trc spary calc xln, n odor, n stn, n sho

Sh, md-lt gry

Ls, crm lt gry, micro xln, lithic, dns, few bioclastic spary frag ,n odor, n sho

Sh, blk, md gry, aqua grn, org

Ls, crm lt gry, micro xln, scat spary calc xln, 5% granular, n vis por, md gry foss clastics, n stn, n odor, n sho

Ls, crm lt gry, micro xln, scat spary calc xln, 5% granular, n vis por, md gry foss clastics, n stn, n odor, n sho

Ls, crm lt gry, micro xln, dull, scat gry chert, chlky in part, n odor, n stn, n sho

incr md gry chert

Ls, crm lt gry, micro xln, dull, 3% drk md dns grnstn, n odor, n stn, n sho

Ls, lt crm tan, micro xln, spary xln, n stn, n odor, n sho

Ls, lt tan, micro xln, dull, 5% lt tan, fn xln, subsucro, scat ppl vugs, fr por, wht, vfn xln, chlky, n odor, n stn , n sho

Ls, crm lt gry, micro xln, dull, vfn xln, v chlky, lt tan gry chert, n odor, n stn, n sho

Ls, crm lt tan, micro xln, dull, vfn xln, v chlky, lt tan gry chert, n odor, n stn, n sho

Sh, md gry, brn

Ls, lt tan brn, 10% oolitic grnstn, w/sec cmt xln, ool vugs, n-fr intra ool por, vfn xln, chlky, scat wht chert, n odor, n stn, n sho

Ls, lt tan brn, AA

Sh, blk carb, md gry,

Ls, lt tan brn, 5% oolitic grnstn, w/sec cmt xln, ool vugs, n-fr intra ool por, vfn xln, chlky, scat lt gry chert, n odor, n stn, n sho

Ls, lt tan brn, 5% oolitic grnstn, w/sec cmt xln, ool vugs, n-fr intra ool por, vfn xln, chlky, scat lt gry chert, n odor, n stn, n sho

Ls, lt tan brn, 5% oolitic grnstn, w/sec cmt xln, ool vugs, n-fr intra ool por, vfn xln, chlky, scat lt gry chert, n stn pyrite, n odor, n stn, n sho

Ls, lt tan brn, micro xln, dull dns, 5% oolitic grnstn, w/sec cmt xln, ool vugs, n-fr intra ool por, vfn xln, chlky, scat lt gry chert, n odor, n stn, n sho

Ls, lt tan crm, micro xln, trc spary calc xln, 3% ool grnstn w/ sec cmt xln, n intra ool por, chlky, scat lt tan chert, n stn, n odor, n sho

Ls, lt tan crm, AA 3% finer ool grnstn w/ ool vugs, dns, n stn, n odor, n sho

Ls, lt tan crm, AA 3% finer ool grnstn w/ ool vugs, dns, very chlky, scat lt tan chert, n stn, n odor, n sho

Ls, crm lt tan, micro xln, dull, few w/ spary calc xln, chlky, wht-lt gry tranl chert, n odor, n stn, n sho

Sh, blk carb sli mica/vfn pyrite, md gry, silty- lmy

Ls, (sm cutn) wht lt tan, vfn-micro xln, dull, britl, v chlky, n odor, n stn, n sho

Ls, (sm cutn) wht lt tan, vfn-micro xln, dull, britl, v chlky, n odor, scat wht lt gry chert

Ls, (sm cutn) lt tan, micro xln, dull, dns, 5 cutn lt brn ool grnstn, dns glassy, n por, wht vfn xln, chlky, n stn, n odor, n sho

Ls, lt brn gry, micro xln, lithic/mealy, n por, lt tan brn chert, n n stn, n odor, n sho

Sh, md gry sl silty

Sh, blk carb, sli mica, gd gas bubbles, md gry silty

Ls, wht tan, micro-vfn xln, sli bioclastic in part, dns, chlky, n stn, n odor, n sho

Sh, md gry mica, sli silty, lt gry sli silty

Ls, wht tan lt gry, motld in part, dns, 3% dns bioclastic grnstn, n por, n stn, n odor, n sho

Ls, sm cutn, tan-lt gry, micro xln, dns, chlky, scat lt crm chert,

Sh, md gry, lmy

Sh, blk carb, md gry, gry grn

Ls, gry-lt gry motld, lithic, dns, scat crm chert, n sho

Ls, lt tan, micro xln, 5% wht motld tan brn, lt brn foss frag in grainstn, mostly dns, few w/ foss vugs & trc sec intra foss por, n stn, n odor, n sho

Sh, md gry, micra, lt gry lmy

Ls, lt tan, vfn xln, fn spary calc xln, foss in part, n stn, n odor, n sho

Sh, blk carb, md gry,

Ls, lt tan, micro-vfn xln, foss in part, n stn, n sho

Sh, blk carb, md gry,

Ls, lt tan, vfn xln, wht micro xln, dns, foss in part, lt crm chert, n stn, n odor, n sho

Ls, lt tan, micro xln, dns, foss in part, lt gry chert, n stn, n odor, n sho

Ls, lt tan, micro xln, dns, foss in part, lt gry crm chert, n stn, n odor, n sho

Sh, blk carb, md gry, lt gry dism pyrite,

Ls, lt tan, micro xln, dns, foss in part, lt gry crm chert, n stn, n odor, n sho

Ls, lt tan, micro xln, dns, bioclastics in part, pr por, lt gry crm chert, n stn, n odor, n sho

Sh, md-lt gry, grn gry

Sh, blk carb, md gry, lt gry diam pyrite,

Ls, lt tan, micro xln, dns, few bryz foss, n por, n stn, n sho

Ls, lt tan, micro xln, dns, ffew bm bioclastic grnstn, glasy, tite, n stn, n sho

Ls, lt tan, micro xln, dns, spary xln in part, scat crm chert, n stn, n sho

Ls, lt tan, micro xln, dns, cull in, n odor, n sho

Sh, blk carb, md gry brn fn pyrite

Ls, lt gry tan micro xln, dns, vfn xln scat foss chinoid, n stn, n odor, n sho

Sh, blk carb, md gry brn fn pyrite

Mud Check 7 at 5,000: vis: 45 wt: 9.4 Chlor: 6,000 LCM: 3.0# Ph: 10.0 WL:10.4

Ls, lt gry tan micro xln, dns, vfn xln scat foss chinoid, n stn, n odor, n sho

Sh, blk, md gry, lt gry, gry grn wxy

Ls, crm lt tan, sm cutn, micro xln, dull, scat wht crm chert, n stn, n odor, n sho

Sh, blk, md gry, dism pyrite

Ls, crm lt tan, sm cutn, micro xln, dull, scat wht crm chert, n stn, n odor, n sho

Sh, blk, md gry, silty, blk inclu

Sh, dk gry, md gry, brn, yel clay

Sh, md gry, lt gry, lmy

Sh, md gry, lt gry sft, yel, brn maron,

Ls, crm lt gry brn, micro xln, dsn, lithic, scat tan brn chert

Ls, lt brn, fn granular, britl, vsft, nearly unconsol, fnt wht grn flor in few, gd odor, sli wht cut, condensate.

Ls, wht-crm, vfn-micro xln, dull, britl, scat wht chert, n odor, n sho

Dol, lt brn, varies, fn-md xln, sucro-subsucro, gd intra xln por to pr por, nearly unconsol in few, grs lt brn O spts, gd vpdlite odor, wht fnt grn flor, flash wht lt blu cut (PDC bit may have destroyed best por)

Ls, Dol, crm, vfn xln, vfn spary calc, sli granular, britl, chlky in part, trc crm chert, fr odor, patch wht flor, patch lt brn stn in dry

Dol, wht, vfn xln, vfn spary calc, sli granular, britl, mostly tite, brite gm glouconite, chiky in part, vslt wht clay, n stn, n odor, n sho

Dol, wht, fn xln, vfn spary calc, sli granular, mostly tite, britl, brite grn glouconite, chiky in part, n stn, n odor, n sho

Dol, wht, fn xln, vfn spary calc, britl, brite grn gluconite, fair intrxln por, chlky in part, fr brn-clr O spts on break, wht yel blu flor, v lt patchy brn stn in few,, vfnt odor,

Dol, wht, fn xln, granular, brite grn gluconite, fair intrxln por, chlky in part, sm cutn, vfn xln, odor, n stn, n sho

Dol, gry, motld, dk grn gluconite, spary calc, foss in part, nearly grnstn, tite-britl, dism pyrite in part, n stn, n odor, n sho

Dol, gry, dk grn gluconite, spary calc, granular, foss in part, nearly grnstn, tite-britl, dism pyrite in part, n stn, n odor, n sho

Dol, gry, decr dk grn gluconite, spary calc, vfn xln, pr xln por, few foss, scat lt tan chert, n stn, n odor, n sho

Dol, gry, micro-vfn xln, vfn spary calc, tite, pr intra xln por, sli silty, n stn, n odor, n sho

REMARKS

Spud 8:30 PM 03-11-2014
RTD 12:50 AM 03-18-2014

"BIT RECORD"
Surf: RR 17-1/2" HTC, RX-1 (Tooth) 814456,(3-1/8's, 1-14), drilled 275'
Surf: RR 12-1/4" JZ -HAOOC (LT Button), RLL08411, (4-15's), in at 275', drilled 340'
Bit No.1 RR 7-7/8" JZ HA116, tooth bit, #F33126(3-15's), in at 615', out at 784'.
Bit No.2 New JZ 7-7/8" PDC 516-DS(#506393), (5-13's), in at 784', out 5200'

"VERTICAL SURVEYS"
1° @ 375'
1/2° @ 615'
1/2° 5111'

"PUMP DATA"
Emsco D-375
Stroke 14", Liner 6"
66 Stk/min
380 GAL/Min

03-11-2014 - 8:30 PM
Spud
Drlg to 275'
Set new 13-3/8" 6 jts 48#
set @ 270'
295 sx Class A 60/40 POZ
2% Gel, 3%CC, 1/4# CF
cmt did circ
Plug down 5:45 am 03-11-14

03-12-2014 - 7:00 PM
Drlg to 615'
Set new 8-5/8" 14 jts 24#
set @ 609'
175 sx A Comm 3%CC, 1/4# CF and tailed w/175 sks60/40 POZ 2% Gel 3% CC 1/4# CF
cmt did circ Basic Energy Svcs

03-13-2014 - 7:00 AM
Drlg @ 1830'

03-14-2014 - 7:00 AM
Drlg @ 3,105'

03-15-2014 - 7:00 AM
Drlg @ 3,726'

03-16-2014 - 7:00 AM
Drlg @ 4,326'

03-17-2014 - 7:00 AM
Drlg @ 5,000'

03-18-2014 - 12:50 AM
TIH after Dst#1 @ 5,111
DST #1 (5060-5111')

03-18-2014 - 12:50 AM
RTD @ 5,200'

Pioneer
LTD @ 5,202'
4.75 hrs

03-19-2014 - 7:00 AM
Laying down Drill pipe

Ran 123 jnts new 15.5# 5 1/2" set @ 5194
Cmt w/150 sks
Plug down @ 3:15 pm
Basic Energy Svs

DST (1) 5060-5111
Miss
5-60-90-120

IF: Strong blow BOB 20 sec
IS: no blow back
FF: Strong blow BOB immed GTS 2 min
FS: no blow back

Total Rec: 400'
90' GMCM 5%G 5%M 95%M
130' WGMCO 17%G 40%O 10%W 25%M
180' MWGCO 15%G 77%O 5%W 3%M

FP: 92-67 FFP: 139-116
SIP: 1024 FSIP: 956
HP: 2554 FHP: 2466

CL 92,000 15 @ 40' F
Temp 117' F

	Ck	psig	Mcf/d
First Gas Rate:	.5	2.0	13.49
Last Gas Rate:	.5	2.0	16.86
Max Gas Rate:	.5	2.0	16.86

Mud Check 8 at 5,111: vis: 68 wt: 9.3 Chlor: 8,000 LCM: 3.0# Ph: 10.5 WL:9.6

COMPANY McCoy Petroleum Corporation
LEASE McKinney Trust 'A' #2-23 NW SW SE
LOCATION 990' FSL 2310' FEL SEC. 23 TWP 30S RGE 19W
COUNTY Kiowa STATE Ks

ELEVATIONS
K.B. 2231
D.F.
G.L. 2222
All measurements from K.B. 2231

Chart for DST (1) Miss
(5060-5111)

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **McCoy Petro. Corp.**

8080 E. Central Ste. 300
Wichita, KS 67206

ATTN: Larry Nicholson

23-30s-19w Kiowa, KS

McKinney Trust A #2-23

Start Date: 2014.03.17 @ 18:13:21

End Date: 2014.03.18 @ 05:07:51

Job Ticket #: 52484 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2014.03.21 @ 14:02:17

DRILL STEM TEST REPORT

McCoy Petro. Corp.

8080 E. Central Ste. 300
Wichita, KS 67206

ATTN: Larry Nicholson

McKinney Trust A #2-23

23-30s-19w Kiowa, KS

Job Ticket: 52484 **DST#: 1**

Test Start: 2014.03.17 @ 18:13:21

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:40:51
Time Test Ended: 05:07:51

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 68

Interval: 5060.00 ft (KB) To 5111.00 ft (KB) (TVD)
Total Depth: 5111.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

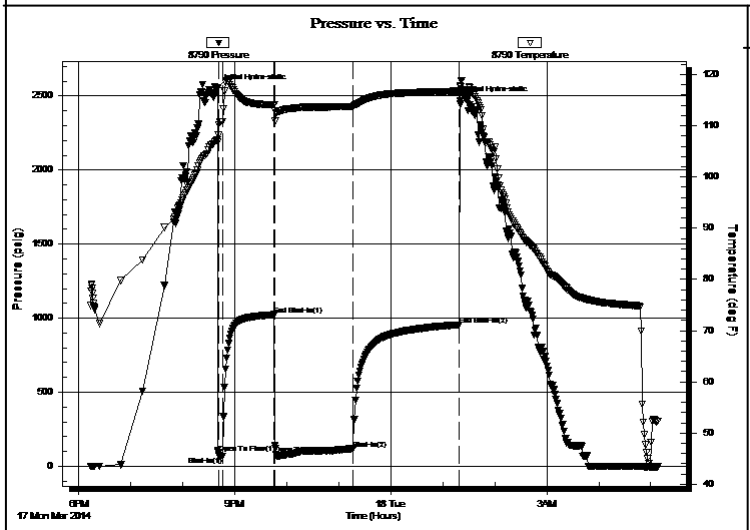
Reference Elevations: 2231.00 ft (KB)
2222.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8790 **Inside**

Press@RunDepth: 116.11 psig @ 5065.00 ft (KB)
Start Date: 2014.03.17 End Date: 2014.03.18
Start Time: 18:13:26 End Time: 05:07:51

Capacity: 8000.00 psig
Last Calib.: 2014.03.18
Time On Btm: 2014.03.17 @ 20:39:51
Time Off Btm: 2014.03.18 @ 01:19:36

TEST COMMENT: IF: Strong blow . BOB @ 20 sec.
ISI: No blow
FF: Strong blow . BOB immed. GTS @ 2 min.
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2554.00	107.31	Initial Hydro-static
1	91.58	108.15	Open To Flow (1)
6	67.01	110.80	Shut-In(1)
66	1024.28	114.18	End Shut-In(1)
67	138.91	112.99	Open To Flow (2)
157	116.11	113.81	Shut-In(2)
279	955.89	116.80	End Shut-In(2)
280	2466.22	117.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MWGCO 3%m, 5%w , 15%g, 77%o	0.89
130.00	WGMCO 10%w , 17%g, 25%m, 48%o	1.48
90.00	OWCM 2%o, 3%w , 95%m	1.26

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.00	13.49
Last Gas Rate	0.50	2.50	16.86
Max. Gas Rate	0.50	2.50	16.86

DRILL STEM TEST REPORT

McCoy Petro. Corp.

8080 E. Central Ste. 300
Wichita, KS 67206

ATTN: Larry Nicholson

McKinney Trust A #2-23

23-30s-19w Kiowa, KS

Job Ticket: 52484 **DST#: 1**

Test Start: 2014.03.17 @ 18:13:21

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 20:40:51
Time Test Ended: 05:07:51

Test Type: Conventional Bottom Hole (Initial)
Tester: Ryan Reynolds
Unit No: 68

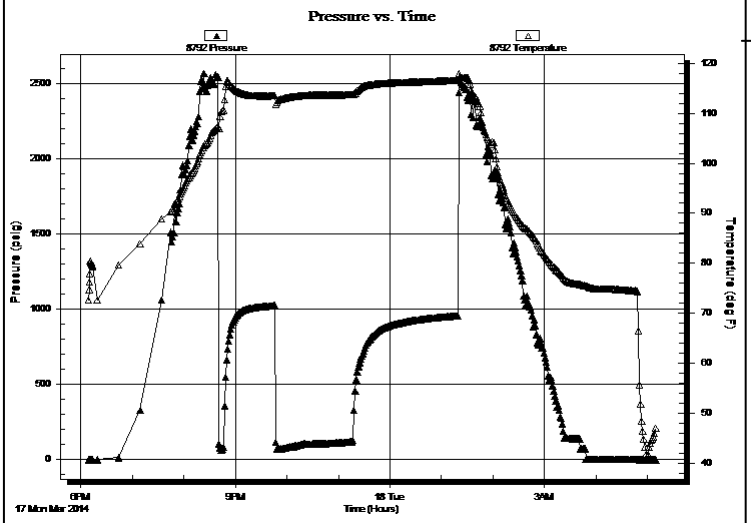
Interval: 5060.00 ft (KB) To 5111.00 ft (KB) (TVD)
Total Depth: 5111.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2231.00 ft (KB)
2222.00 ft (CF)
KB to GR/CF: 9.00 ft

Serial #: 8792 **Outside**
Press@RunDepth: psig @ 5065.00 ft (KB)
Start Date: 2014.03.17 End Date: 2014.03.18
Start Time: 18:08:55 End Time: 05:10:35

Capacity: 8000.00 psig
Last Calib.: 2014.03.18
Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Strong blow . BOB @ 20 sec.
ISI: No blow
FF: Strong blow . BOB immed. GTS @ 2 min.
FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
180.00	MWGCO 3%m, 5%w , 15%g, 77%o	0.89
130.00	WGMCO 10%w , 17%g, 25%m, 48%o	1.48
90.00	OWCM 2%o, 3%w , 95%m	1.26

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.50	2.00	13.49
Last Gas Rate	0.50	2.50	16.86
Max. Gas Rate	0.50	2.50	16.86

DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petro. Corp.

8080 E. Central Ste. 300
Wichita, KS 67206

ATTN: Larry Nicholson

McKinney Trust A #2-23

23-30s-19w Kiowa, KS

Job Ticket: 52484 **DST#: 1**

Test Start: 2014.03.17 @ 18:13:21

Tool Information

Drill Pipe:	Length:	4842.00 ft	Diameter:	3.80	inches	Volume:	67.92	bbl	
Heavy Wt. Pipe:	Length:	ft	Diameter:		inches	Volume:	-	bbl	
Drill Collar:	Length:	218.00 ft	Diameter:	2.25	inches	Volume:	1.07	bbl	
						Total Volume:	-	bbl	

Drill Pipe Above KB:	27.00 ft
Depth to Top Packer:	5060.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	51.00 ft
Tool Length:	78.00 ft
Number of Packers:	2
Diameter:	6.75 inches

Tool Weight:		2400.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		140000.0 lb
Tool Chased		0.00 ft
String Weight:	Initial	96000.00 lb
	Final	98000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			5034.00		
Shut In Tool	5.00			5039.00		
Hydraulic tool	5.00			5044.00		
Jars	5.00			5049.00		
Safety Joint	2.00			5051.00		
Packer	5.00			5056.00	27.00	Bottom Of Top Packer
Packer	4.00			5060.00		
Stubb	1.00			5061.00		
Perforations	3.00			5064.00		
Change Over Sub	1.00			5065.00		
Recorder	0.00	8790	Inside	5065.00		
Recorder	0.00	8792	Outside	5065.00		
Drill Pipe	32.00			5097.00		
Change Over Sub	1.00			5098.00		
Perforations	10.00			5108.00		
Bullnose	3.00			5111.00	51.00	Bottom Packers & Anchor
Total Tool Length:	**78.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

McCoy Petro. Corp.

8080 E. Central Ste. 300
Wichita, KS 67206

ATTN: Larry Nicholson

McKinney Trust A #2-23

23-30s-19w Kiowa, KS

Job Ticket: 52484 **DST#: 1**

Test Start: 2014.03.17 @ 18:13:21

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	92000 ppm
Viscosity:	45.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	10.37 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	6000.00 ppm				
Filter Cake:	0.02 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MWGCO 3%m, 5%w, 15%g, 77%o	0.885
130.00	WGMCO 10%w, 17%g, 25%m, 48%o	1.477
90.00	OWCM 2%o, 3%w, 95%m	1.262

Total Length: 400.00 ft Total Volume: 3.624 bbl

Num Fluid Samples: 1 Num Gas Bombs: 1 Serial #: RR-1

Laboratory Name: Caraway Laboratory Location: Liberal, KS

Recovery Comments:

DRILL STEM TEST REPORT

GAS RATES

McCoy Petro. Corp.

8080 E. Central Ste. 300
Wichita, KS 67206

ATTN: Larry Nicholson

McKinney Trust A #2-23

23-30s-19w Kiowa, KS

Job Ticket: 52484 **DST#: 1**

Test Start: 2014.03.17 @ 18:13:21

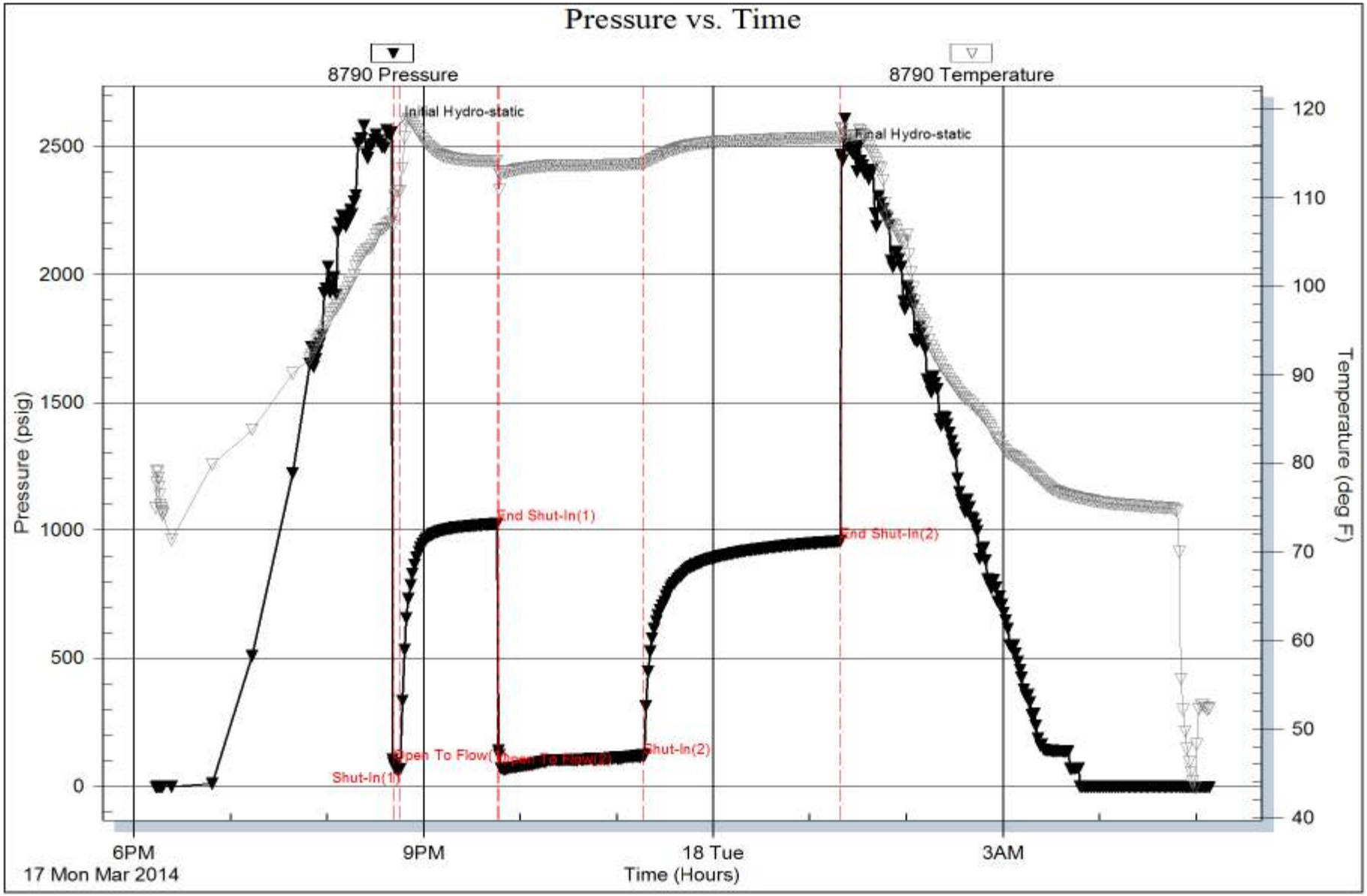
Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

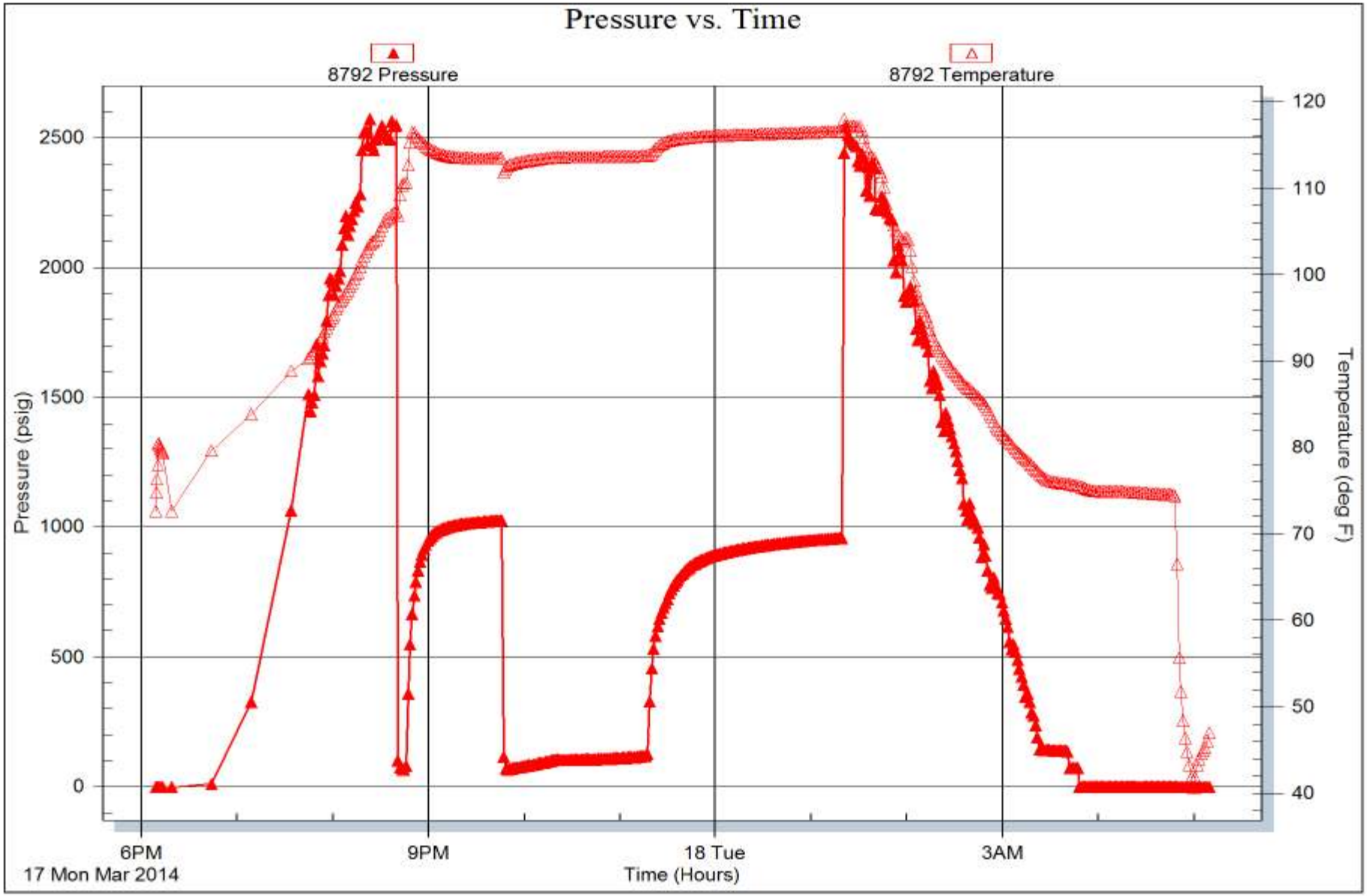
Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
2	10	0.50	2.00	13.49
2	10	0.50	2.00	13.49
2	20	0.50	2.00	13.49
2	30	0.50	2.00	13.49
2	40	0.50	2.00	13.49
2	50	0.50	2.00	13.49
2	60	0.50	2.00	13.49
2	70	0.50	2.50	16.86
2	80	0.50	2.50	16.86

Serial #: 8790 **Inside** McCoy Petro. Corp. 23-30s-19w Kiowa, KS DST Test Number: 1



Trilobite Testing, Inc Ref. No: 52484 Printed: 2014.03.21 @ 14:02:19

Serial #: 8792 **Outside** McCoy Petro. Corp. 23-30s-19w Kiowa, KS DST Test Number: 1



Trilobite Testing, Inc Ref. No: 52484 Printed: 2014.03.21 @ 14:02:19

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 52484

Well Name & No. McKinney Trust "A" 2-23 Test No. 1 Date 3-17-14

Company McCoy Petro. Corp. Elevation 2231 KB 2222 GL

Address 8080 E. Central Ste. 300 Wichita, KS 67206

Co. Rep / Geo. Larry Nicholson Rig Sterling 4

Location: Sec. 23 Twp. 30s. Rge. 19w. Co. Kiowa State KS

Interval Tested 5060-5111 Zone Tested Miss.

Anchor Length 51 Drill Pipe Run 4842 Mud Wt. 9.4

Top Packer Depth 5055 Drill Collars Run 218 Vis 45

Bottom Packer Depth 5060 Wt. Pipe Run Ø WL 10.4

Total Depth 5111 Chlorides 6000 ppm System LCM 3#

Blow Description IF: Strong blow. BoB @ 20 sec. ISI: No blow
FF: Strong blow. BoB immed. GTS @ 2 min.
FSI: No blow.

Rec 90	Feet of OWCM	%gas	%oil 2	%water 3	%mud 95
Rec 130	Feet of WGMCO	%gas 17	%oil 48	%water 10	%mud 25
Rec 180	Feet of MWGCO	%gas 15	%oil 77	%water 5	%mud 3
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 400 BHT 117 Gravity N/C API RW .015 @ 40 °F Chlorides 92000 ppm

(A) Initial Hydrostatic 2554	☒ Test 1350	T-On Location 1730
(B) First Initial Flow 92	☒ Jars 250	T-Started 1813
(C) First Final Flow 67	☒ Safety Joint 75	T-Open 2040
(D) Initial Shut-In 1024	☐ Circ Sub	T-Pulled 0115
(E) Second Initial Flow 139	☐ Hourly Standby	T-Out 0508
(F) Second Final Flow 116	☒ Mileage 96 148.80	Comments
(G) Final Shut-In 956	☐ Sampler	
(H) Final Hydrostatic 2466	☐ Straddle	☐ Ruined Shale Packer
	☐ Shale Packer	☐ Ruined Packer
Initial Open 5	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder	Sub Total 0
Final Flow 90	☐ Day Standby	Total 1823.80
Final Shut-In 120	☐ Accessibility	MP/DST Disc't
	Sub Total 1823.80	

Approved By _____ Our Representative Ryan Reynolds

TRILOBITE TESTING INC.
P.O. Box 362 • Hays, Kansas 67601 • (785) 625-4778

GAS VOLUME REPORT

McCoy Petro. Corp. (OPERATOR) | McKinney A 2-23 (Miss) (WELL NAME AND NO.) | 1 (DST NO.)

Final Flow Period GTS @ 3 min.

Min.	~~Ins. of Water~~ PSIG	Orifice Size	★ CF/D	Min.	Ins. of Water PSIG	Orifice Size	CF/D
10	2#	1/2"	47700				
20	2#	1/2"	47700				
30	2#	1/2"	47700				
40	2#	1/2"	47700				
50	2#	1/2"	47700				
60	2#	1/2"	47700				
70	2 1/2#	1/2"	53400				
80	2 1/2#	1/2"	53400				
90	2 1/2#	1/2"	53400				

Remarks:

BASIC energy services, L.P.

TREATMENT REPORT

Customer M. COY PET. CORP.	Lease No.		Date 3-11-14
Lease M. KINNEY TRUST A	Well # 2-23		
Field Order # 9810	Station PRATT	Casing 13 3/8	Depth 274.09
County KIOWA	State KS		
Type Job CMW CONDUCTOR	Formation	Legal Description 23-30-19	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 13 3/8	Tubing Size	Shots/Ft		Acid CM. 295 SK.	60/40 POZ RATE	PRESS	ISIP
Depth 274.09	Depth	From	To	Pre Pad	Max 3 BBL CC	1/4 " CL	5 Min.
Volume 43	Volume	From	To	Pad	Min		10 Min.
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.
Well Connection SW	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 254.09	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative DAVE OLLER	Station Manager KEVIN GODFREY	Treater MIKE MATTHI	

Service Units	37586		19889	19843		70959	19918				
Driver Names	MATTHI		KUCERA			P H	Y-E				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:20					ON LOCATION / SAFETY MEETING
3:25					RUN 13 3/8 48# CASING
4:35					CASING ON BOTTOM
4:47					HOOK UP TO CSNG / BREAK CIC W. RIG
5:00	150		3	5	PUMP 3 BBL H2O
5:01	150		164	6	MIX 295 SK 60/40 POZ
5:16	100		—	5	START DISPLACEMENT
5:24	100		40	—	PLUG DOWN, SHUT IN WELL
					20 BBLS TO PIT
					JOB COMPLETE
					THANK YOU!
					MIKE MATTHI

Taylor Printing, Inc. 620-672-3656

BASIC energy services, L.P.

TREATMENT REPORT

Customer: McCoy Petroleum Corp.	Lease No.	Date: 3-12-14	
Lease: McKinney Trust "A"	Well #: 2-23		
Field Order #: 10,137	Station: Pratt, Kansas	Casing: 8 5/8 24Lb. Depth: 613 Feet	County: Kiowa / State: Kansas
Type Job: C.N.W. - Surface	Formation	Legal Description: 23-30S-19W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8 24Lb./Ft.	Tubing Size	Shots/Ft	175 sacks A-Con with 3% Calcium chloride, .25Lb./Sk. Cellflake		RATE	PRESS	ISIP
Depth: 613 Feet	Depth	From	To	Pre Pad: 12Lb./Gal., 14.49 Gal./Sk., 2.47 CU.FT./Sk.	Max		5 Min.
Volume: 39 Bbl.	Volume	From: 175 sacks	To: 60/40 Poz with 2% Total	Pad: Gel., 3% Calcium Chloride, .25Lb./Sk. Cellflake	Min		10 Min.
Max Press: 300 PSI.	Max Press	From	To	Frac: 14.8Lb./Gal., 5.18 Gal./Sk., 1.21 CU.FT./Sk.	Avg		15 Min.
Well Connection: Plug Container	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 571 Feet	Packer Depth	From	To	Flush: 36.3 Bbl. Fresh water	Gas Volume		Total Load

Customer Representative: Lanny Saloga | Station Manager: Kevin Gordley | Treater: Clarence R. Messick

Service Units	37,216	38,114	19,843	70,959	19,918							
Driver Names	Messick	MC Graw		Phye								

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:30	3-11-14				Trucks on location and hold safety meeting.
11:15	Sterling Drilling start to run 14 Joints new 24 Lb./Ft. 8 5/8" casing. A Bastret was installed above Collar #8.				
1:10					Casing in well. Circulate for 5 minutes.
1:20	300			6	Start Freshwater Pre-Flush.
	300		10	6	Start mixing 175 sacks A-con Blend cement
	175		87	5	Start Mixing 175 sacks 60/40 Poz Blend cement.
	-0-		125		Stop pumping. Shut in well. Release Top Rubber Plug. Open Well.
	200			5	~~Plug down. Sk~~ Start Freshwater Displacement.
2:15	350		36.3		Plug down. Shut in well.
					Circulated 30 Bbl. cement to the pit.
					Wash up pump truck.
2:45					Job Complete
					Thank You.
					Clarence, Mike, Dale

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

Taylor Printing, Inc. 620-672-3656

BASIC energy services, L.P.

TREATMENT REPORT

Customer	Lease No.	Date
McCoy Pet		03-19-14
Lease	**Well #**	
McKinney Trust A	2-23	

Field Order #	Station	Casing	Depth	County	State
10353	Pratt KS	5 1/2	5192	Kiowa	KS

Type Job	Formation	Legal Description
CNW 5 1/2 Long St. 1		23-30-9

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
Depth 5197	Depth	From	To	Pre Pad	Max		5 Min.
Volume 122.6	Volume	From	To	Pad	Min		10 Min.
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.
Well Connection 8.0	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth 5154	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative	Station Manager	Treater
	Dave Scott	Robert Allen

Service Units	37900	33208	20920	20959	19918						
Driver Names	Sullivan	Graves		Pyle							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2:15					On loc Safty meet
					Run 5 1/2 #15.5 csg.
12:30					Casing on Bottom
12:40					Hook Rig Circ csg.
2:15					mix STOP LOSS SPACER
			5		SPACER
			10	3.5	Pump STOP LOSS
			3		SPACER
			38	4.5	mix cmt 150 sk AA-2 cmt 15.1#/gal
					cmt mixed Sh+ down wash Line, Pump
					Release Plug
				6.5	Dt Disp
	200				Lift PSI
	850			4	Slow Rate
3:00	1,800		122		Plug down
			7		plug RH w/ 30 sk 60/40 poz
			5		plug MH w/ 20 sk
					JOB Complete
					THANK you

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