APR 1 8 2006

## KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

ORIGINA

September 1999 Form Must Be Typed

CONSERVATION DIVISION WICHITA, KS

## WELL COMPLETION FORM **WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Operator: License #_33344	API No. 15 - 099-23625-00-00
Name: Quest Cherokee, LLC	County: Labette
Address: 211 W. 14th Street	M2-52_ ne _ nw Sec. 6 Twp. 31 S. R. 18 ✓ East West
City/State/Zip: Chanute, KS 66720	730 feet from S N circle one) Line of Section
Purchaser: Bluestem Pipeline, LLC	1980 feet from E (W circle one) Line of Section
Operator Contact Person: Gary Laswell	Footages Calculated from Nearest Outside Section Corner:
Phone: (620 ) 431-9500	(circle one) NE SE NW SW
Contractor: Name: M.O.K.A.T.	Lease Name: Hicks, Jay D. Well #: 6-1
License: 5831	Field Name: Cherokee Basin CBM
Wellsite Geologist: n/a	Producing Formation: Summit/Mulky
Designate Type of Completion:	Elevation: Ground: 952 Kelly Bushing: n/a
New Well Re-Entry Workover	Total Depth: 1068 Plug Back Total Depth: 1064
OilSWDSIOWTemp. Abd.	Amount of Surface Pipe Set and Cemented at 21.7 Feet
Gas ENHR SIGW	Multiple Stage Cementing Collar Used?
Dry Other (Core, WSW, Expl., Cathodic, etc)	If yes, show depth setFeet
If Workover/Re-entry: Old Well Info as follows:	If Alternate II completion, cement circulated from 1064
Operator:	feet depth to Surface w/ 132 sx cmt.
Well Name:	8.25.00 April 1.144
Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Deepening Re-perf Conv. to Enhr./SWD	
Plug Back Plug Back Total Depth	Chloride contentppm Fluid volumebbls
Commingled Docket No.	Dewatering method used
Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Other (SWD or Enhr.?) Docket No	Operator Name:
	Lease Name: License No.:
9/16/04         9/17/04         10/04/04           Spud Date or         Date Reached TD         Completion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	County: Docket No.:
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, workove Information of side two of this form will be held confidential for a period of 1	or or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. 2 months if requested in writing and submitted with the form (see rule 82-3-and geologist well report shall be attached with this form. ALL CEMENTING
All requirements of the statutes, rules and regulations promulgated to regulaterein are complete and correct to the best of my knowledge.	te the oil and gas industry have been fully complied with and the statements
Signature: Jan January	KCC Office Use ONLY
Hood of Operations 4/17/06	
Title: Date: 4/17/06	Letter of Confidentiality Received
Subscribed and sworn to before me this That day of	If Denied, Yes Date:
20 00.	Wireline Log Received
	Geologist Report Received
Notary Public: (Marian)	UIC Distribution
Date Commission Expires: July 30, 2009	JENNIFER R. AMMANN otary Public - State of Kansas
V V / My Appt.	Expires Old Marson 9

Operator Name: Que	Lease	e Name:	Hicks, Jay D	•	Well #: <u>6-1</u>						
Sec. 6 Twp. 3			t West	Count	ty: Labet	te					
INSTRUCTIONS: SI tested, time tool oper temperature, fluid red Electric Wireline Log	n and closed, flowing covery, and flow rate	g and shut s if gas to	in pressures, surface test, a	whether s long with	shut-in pre	ssure reached	static level, hyd	rostatic pressure	es, bottor	m hole	
Drill Stem Tests Take		. DA	es 🗸 No		<b>✓</b> L	og Format	tion (Top), Depth	and Datum		Sample	
Samples Sent to Geo	es <b></b> ✓ No		Nam See	e attached		Тор	[	Datum			
Cores Taken Electric Log Run (Submit Copy)	es 🗸 No es 🗌 No				Kan	RECEIVED  ISAS CORPORATION COMMISSION					
List All E. Logs Run:								APR 18	2006		
Comp. Density Dual Induction Gamma Ray/N	Log							CONSERVATION WICHITA,	I DIVISION KS	•	
		Repo	CASING ort all strings set-	RECORD		ew Used	ction, etc.				
Purpose of String	Size Hole Drilled	Siz	ze Casing t (In O.D.)	We	eight s. / Ft.	Setting Depth	Type of Cement	# Sacks Used		and Percent	
Surface				20#		21.7'	"A"	4			
Production	n 6-3/4" 4-1/2"			10.5#		1064'	"A"	132			
			ADDITIONAL	CEMENT	ING / SOI	JEEZE RECOR	ID.		<u> </u>		
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone					ks Used	Type and Percent Additives					
	PERFORAT	ION RECO	RD - Bridge Plug	ns Set/Tim	Δ	Acid Fr	acture, Shot, Ceme	ent Squeeze Beco	rd		
Shots Per Foot			Each Interval Pe			(Amount and Kind of Material Used)					
4	599.4-604/622-6	628				404 bbls H20, 20#	HEC, 2% KCL, Max flo,	Biocide, 15100# 20/40	brady sand	699.4-604/622-628	
		<del></del>									
		<del></del>									
TUBING RECORD 2-	Size 3/8"	Set At		Packer n/a	At	Liner Run	Yes 🗸	lo			
	rd Production, SWD or I	Enhr.	Producing Met	hod	Flowin	g 🔽 Pumj	oing Gas	Lift	er (Explain	)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wat		Bbls.	Gas-Oil Ratio		Gravity	
	n/a	001401 ==	65 mcf		83 b	····					
Disposition of Gas	METHOD OF	COMPLETI				Production Into					
Vented ✓ Sold (If vented, St	Used on Lease ubmit ACO-18.)		Open Hole Other (Spec	ify)	rf.	Dually Comp.	Commingled				

Quest

'HUDILLION

OIL WELL SERVICES,

20-431-9210 OR 800-467-8676

TIONUN	MBER
LOCATION_	Chanute
FOREMAN_	Duayne

TOTAL

## TREATMENT REPORT & FIELD TICKET CEMENT

DÁTE	CUSTOMER#	WE	LL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
10-4-04		HICKS J	W #6-1	6	315	186	LB
JSTOMER	a 1		7			1 706	_ <b></b>
QUEST (	Cherokee L	.LC		TRUCK #	DRIVER	TRUCK#	DRIVER
				255	John		
<u>P.O. Box</u>	100	STATE	ZIP CODE	230	wes		
7	• • •	*		400	mac		
Benedic		Kansas	66714				
		HOLE SIZE	63/4 HOLE DEP	тн <u>/068'</u>	CASING SIZE & \	VEIGHT 4/2	-10.5
SING DEPTH_		DRILL PIPE	TUBING			OTHER	
.URRY WEIGH		SLURRY VOL_		/sk	CEMENT LEFT in	CASING	
SPLACEMENT		DISPLACEMEN			RATE		
MARKS:	Wasa	Downs	140' of Cas			2 Sacks	OF
	sel Follo	7		Dre with	15 901	Soulium <	Silocate
rollan		140 Sac	KS OF Cement	-, 5760 Gn	I wash a	. + Puna	7
Thow	Fring C	Niper PT	ug to Bottom a	nd Release	PSI	Sn Casa	CI 4
			0			0	<del></del>
<del>,</del>							
OWC, 5	#gilsonite	14#fle	-seal) 7	ime on loca	tion - fr	11 45	4 2 3
	J				<u>,,,,,,,</u>	111111111111111111111111111111111111111	10 2.3
ACCOUNT CODE	QUANITY o	r UNITS	DESCRIPTION	of SERVICES or PRO	DUCT	UNITEDES	
5401		1-1.1011			UNIT PRICE	TOTAL	
5407		- Well	PUMP CHARGE Cem	ent pump		710.00	355,-
1110	14	27 mi	MILEAGE MINIMUM			225.00	112.50
1107		<u> </u>	gilsonite			20.35 pers	k 97.30
1118		<u>sk</u>	flo-seal			40.00 persi	10.61
	2_	SK_	Premium gel			12.40 persk	9.12
1215A		1 gal	KCL			12.40 persk 23.10	990
11118		15 gal	Sodium Silicate	-		10.50 per ga	
// 23	<u>6000</u>	gal	City Water (	150 bbl)	)	11.50 per 1000	13457
5501C	<u> </u>	br	Transport			84.00 hr	121 -
1126	132	SK	OWC CEMENT (		11 4 4 1		126,
			owe cement		K total)	11.85 peris	: 181.44
			RECEIVE	n ···		· · · · · · · · · · · · · · · · · · ·	
			KANSAS CORPORATION	COMMISSION			
				· · · · · · · · · · · · · · · · · · ·			
			APR 182	<u>UUD</u>			
			CONSERVATION D	NOISION			
			WICHITA, K				
						SALES TAX	
						ESTIMATED	1 0 0 1

TITLE

Air Drilling Specialist Oil and Gas Wells



## M.O.K.A.T. DRILLING Office Phone: (620) 879-5377



P.O. Box 590 Caney, KS 67333

Oli aliu Gas weii	15	₹€	(ACC)		• •		w					•	,		
Operator	OTTEGE CHED ONED I I C	Well No.		Lease		Loc.		1/4	1/4	1/4	Sec	_	Twp.	31	Rge, 18
	QUEST CHEROKEE LLC.	6-	-1	JAY	Y HICKS							0			
		County		State		Type/Well		Depth		Hours	Da	te Starte	ed	Date (	Completed
		LAB	ETTE		KS			106	8'			9-16-0	4	9	9-17-04
Job No.	Casing Used			В	it Record	t					Coring	Record	b		
	21' 7'	' OF 8 5/8"	Bit No.	Туре	size	From	То	Bit No	). 1	type 🦼	Size	From		Го	% Rec.
Driller	Cement Used									.2					
ВІ	LLY				6 3/4"						S. D.				
Driller	Rig No.								(	and the same	a fr				
·		2									3				
Driller	Hammer No.									急	P. 16				•
										32	To the second	<b>4.</b>			
				Forms	ation Re	cord				ACHINA COMP	, O,	SON SON			
				i Office		oora				_ ç	k.	-80			

1170   210   DIMID   050   DOT   DIMIDD   1/	
2         8         CLAY         437         WENT TO WATER         684         687         SHALE         949         954         BLACK S           8         12         SAND         440         481         SHALE         687         GAS TEST 3# 3/4"         954         955         COAL           12         62         SHALE         481         482         BLACK SHALE         687         688         COAL         CROWBERG         955         975         SHALE           62         93         LIME         482         486         SHALE         688         694         SANDY SHALE         964         GAS TEST           93         96         BLACK SHALE         486         506         LIME         PAWNEE         694         697         SAND         975         976         GAS TEST           102         LIME         506         515         BLACK SHALE         697         698         LIME         976         979         SHALE           102         122         SAND         512         GAS TEST 10# 1/8"         698         699         BLACK SHALE         979         984         SAND           122         123         COAL         515	Formation
8         12         SAND         440         481         SHALE         687         GAS TEST 3# 3/4"         954         955         COAL           12         62         SHALE         481         482         BLACK SHALE         687         688         COAL         CROWBERG         955         975         SHALE           62         93         LIME         482         486         SHALE         688         694         SANDY SHALE         964         GAS TES           93         96         BLACK SHALE         486         506         LIME         PAWNEE         694         697         SAND         975         976         COAL           96         102         LIME         506         515         BLACK SHALE         697         698         LIME         976         979         SHALE           102         122         SAND         512         GAS TEST 10# 1/8"         698         699         BLACK SHALE         976         979         SHALE           122         123         COAL         515         516         COAL         699         700         COAL         FLEMING         984         1004         SHALE           123         152<	
12   62   SHALE   481   482   BLACK SHALE   687   688   COAL   CROWBERG   955   975   SHALE   62   93   LIME   482   486   SHALE   688   694   SANDY SHALE   964   GAS TES   93   96   BLACK SHALE   486   506   LIME   PAWNEE   694   697   SAND   975   976   COAL   96   102   LIME   506   515   BLACK SHALE   697   698   LIME   976   979   SHALE   102   122   SAND   512   GAS TEST 10# 1/8"   698   699   BLACK SHALE   979   984   SAND   122   123   COAL   515   516   COAL   699   700   COAL   FLEMING   984   1004   SHALE   123   152   SHALE   516   520   SHALE   700   723   SHALE   1004   1010   SAND   152   177   LIME   520   538   SAND   723   GAS TEST 3# 3/4"   1010   1012   COAL   177   198   SHALE   537   GAS TEST 10# 1/8"   723   724   LIME   1012   1016   SHALE   198   216   LIME   538   564   SHALE   724   726   BLACK SHALE   1014   GAS TES   216   220   SHALE   564   567   LIME   OSWEGO   726   728   SHALE   1016   1044   LIMEY   220   223   BLACK SHALE   DAMP   567   568   SHALE   SHALE   568   SHALE	
62         93         LIME         482         486         SHALE         688         694         SANDY SHALE         964         GAS TES           93         96         BLACK SHALE         486         506         LIME         PAWNEE         694         697         SAND         975         976         COAL           96         102         LIME         506         515         BLACK SHALE         697         698         LIME         976         979         SHALE           102         122         SAND         512         GAS TEST 10# 1/8"         698         699         BLACK SHALE         979         984         SAND           122         123         COAL         515         516         COAL         699         700         COAL         FLEMING         984         SAND           122         123         COAL         516         520         SHALE         700         723         SHALE         1004         1010         SAND           152         177         LIME         520         538         SAND         723         GAS TEST 3# 3/4"         1010         1012         COAL           177         198         SHALE         537	ROWE
93 96 BLACK SHALE 486 506 LIME PAWNEE 694 697 SAND 975 976 COAL 96 102 LIME 506 515 BLACK SHALE 697 698 LIME 976 979 SHALE 102 122 SAND 512 GAS TEST 10# 1/8" 698 699 BLACK SHALE 979 984 SAND 122 123 COAL 515 516 COAL 699 700 COAL FLEMING 984 1004 SHALE 123 152 SHALE 516 520 SHALE 700 723 SHALE 1004 1010 SAND 152 177 LIME 520 538 SAND 723 GAS TEST 3# 3/4" 1010 1012 COAL 177 198 SHALE 537 GAS TEST 10# 1/8" 723 724 LIME 1010 1012 LOAL 198 216 LIME 538 564 SHALE 724 726 BLACK SHALE 1014 GAS TEST 216 220 SHALE 564 567 LIME OSWEGO 726 728 SHALE 1016 1044 LIMEY C 220 223 BLACK SHALE DAMP 567 568 SHALE 728 729 COAL MINERAL 1039 GAS TEST 223 227 SANDY SHALE 568 595 LIME LIGHT OIL ODOR 729 753 SHALE 1044 1054 BROWN 105 247 258 LIME 597 605 BLACK SHALE 573 758 SANDY SHALE	
96 102 LIME 506 515 BLACK SHALE 697 698 LIME 976 979 SHALE 102 122 SAND 512 GAS TEST 10# 1/8" 698 699 BLACK SHALE 979 984 SAND 122 123 COAL 515 516 COAL 699 700 COAL FLEMING 984 1004 SHALE 123 152 SHALE 516 520 SHALE 700 723 SHALE 1004 1010 SAND 152 177 LIME 520 538 SAND 723 GAS TEST 3# 3/4" 1010 1012 COAL 177 198 SHALE 537 GAS TEST 10# 1/8" 723 724 LIME 1010 1012 COAL 178 198 216 LIME 538 564 SHALE 724 726 BLACK SHALE 1014 GAS TEST 10# 1/8" 723 724 LIME 1014 GAS TEST 10# 1/8" 724 726 BLACK SHALE 1014 GAS TEST 10# 1/8" 728 729 COAL MINERAL 1039 GAS TEST 10# 1/8" 728 729 COAL MINERAL 1039 GAS TEST 10# 1/8" 728 729 COAL MINERAL 1039 GAS TEST 10# 1/8" 728 729 COAL MINERAL 1039 GAS TEST 10# 1/8" 728 729 COAL MINERAL 1039 GAS TEST 10# 1/8" 728 729 COAL MINERAL 1039 GAS TEST 10# 1/8" 728 729 COAL MINERAL 1039 GAS TEST 10# 1/8" 728 729 COAL MINERAL 1044 1054 BROWN 127 247 LIMEY SHALE 595 597 SHALE SUMMIT 738 GAS TEST 3 1/2# 3/4" 1054 1068 GRAY LIX 1247 258 LIME 597 605 BLACK SHALE 753 758 SANDY SHALE	
96         102         LIME         506         515         BLACK SHALE         697         698         LIME         976         979         SHALE           102         122         SAND         512         GAS TEST 10# 1/8"         698         699         BLACK SHALE         979         984         SAND           122         123         COAL         515         516         COAL         699         700         COAL         FLEMING         984         1004         SHALE           123         152         SHALE         516         520         SHALE         700         723         SHALE         1004         1010         SAND           152         177         LIME         520         538         SAND         723         GAS TEST 3# 3/4"         1010         1012         COAL           177         198         SHALE         537         GAS TEST 10# 1/8"         723         724         LIME         1012         1016         SHALE           198         216         LIME         538         564         SHALE         724         726         BLACK SHALE         1014         GAS TES           216         220         SHALE         564	NEUTRAL
122   123   COAL   515   516   COAL   699   700   COAL   FLEMING   984   1004   SHALE     123   152   SHALE   516   520   SHALE   700   723   SHALE   1004   1010   SAND     152   177   LIME   520   538   SAND   723   GAS TEST 3# 3/4"   1010   1012   COAL     177   198   SHALE   537   GAS TEST 10# 1/8"   723   724   LIME   1012   1016   SHALE     198   216   LIME   538   564   SHALE   724   726   BLACK SHALE   1014   GAS TES     216   220   SHALE   564   567   LIME   OSWEGO   726   728   SHALE   1016   1044   LIMEY C     220   223   BLACK SHALE DAMP   567   568   SHALE   728   729   COAL   MINERAL   1039   GAS TES     223   227   SANDY SHALE   568   595   LIME   LIGHT OIL ODOR   729   753   SHALE   1044   1054   BROWN     227   247   LIMEY SHALE   595   597   SHALE   SUMMIT   738   GAS TEST 3 1/2# 3/4"   1054   1068   GRAY LI     247   258   LIME   597   605   BLACK SHALE   753   758   SANDY SHALE	
123   152   SHALE   516   520   SHALE   700   723   SHALE   1004   1010   SAND     152   177   LIME   520   538   SAND   723   GAS TEST 3# 3/4"   1010   1012   COAL     177   198   SHALE   537   GAS TEST 10# 1/8"   723   724   LIME   1012   1016   SHALE     198   216   LIME   538   564   SHALE   724   726   BLACK SHALE   1014   GAS TES     216   220   SHALE   564   567   LIME   OSWEGO   726   728   SHALE   1016   1044   LIMEY C     220   223   BLACK SHALE DAMP   567   568   SHALE   728   729   COAL   MINERAL   1039   GAS TES     223   227   SANDY SHALE   568   595   LIME   LIGHT OIL ODOR   729   753   SHALE   1044   1054   BROWN     227   247   LIMEY SHALE   595   597   SHALE   SUMMIT   738   GAS TEST 3 1/2# 3/4"   1054   1068   GRAY LI     247   258   LIME   597   605   BLACK SHALE   753   758   SANDY SHALE	
152   177   LIME   520   538   SAND   723   GAS TEST 3# 3/4"   1010   1012   COAL     177   198   SHALE   537   GAS TEST 10# 1/8"   723   724   LIME   1012   1016   SHALE     198   216   LIME   538   564   SHALE   724   726   BLACK SHALE   1014   GAS TES     216   220   SHALE   564   567   LIME   OSWEGO   726   728   SHALE   1016   1044   LIMEY C     220   223   BLACK SHALE DAMP   567   568   SHALE   728   729   COAL   MINERAL   1039   GAS TES     223   227   SANDY SHALE   568   595   LIME   LIGHT OIL ODOR   729   753   SHALE   1044   1054   BROWN     227   247   LIMEY SHALE   595   597   SHALE   SUMMIT   738   GAS TEST 3 1/2# 3/4"   1054   1068   GRAY LI     247   258   LIME   597   605   BLACK SHALE   753   758   SANDY SHALE	
152         177         LIME         520         538         SAND         723         GAS TEST 3# 3/4"         1010         1012         COAL           177         198         SHALE         537         GAS TEST 10# 1/8"         723         724         LIME         1012         1016         SHALE           198         216         LIME         538         564         SHALE         724         726         BLACK SHALE         1014         GAS TES           216         220         SHALE         564         567         LIME         OSWEGO         726         728         SHALE         1016         1044         LIMEY C           220         223         BLACK SHALE DAMP         567         568         SHALE         728         729         COAL         MINERAL         1039         GAS TES           223         227         SANDY SHALE         568         595         LIME         LIGHT OIL ODOR 729         753         SHALE         1044         1054         BROWN           227         247         LIMEY SHALE         595         597         SHALE         SUMMIT         738         GAS TEST 3 1/2# 3/4"         1054         1068         GRAY LI           247	
177         198         SHALE         537         GAS TEST 10# 1/8"         723         724         LIME         1012         1016         SHALE           198         216         LIME         538         564         SHALE         724         726         BLACK SHALE         1014         GAS TES           216         220         SHALE         564         567         LIME         OSWEGO         726         728         SHALE         1016         1044         LIMEY C           220         223         BLACK SHALE DAMP         567         568         SHALE         728         729         COAL         MINERAL         1039         GAS TES           223         227         SANDY SHALE         568         595         LIME         LIGHT OIL ODOR         729         753         SHALE         1044         1054         BROWN           227         247         LIMEY SHALE         595         597         SHALE         SUMMIT         738         GAS TEST 3 1/2# 3/4"         1054         1068         GRAY LI           247         258         LIME         597         605         BLACK SHALE         753         758         SANDY SHALE         506         506         BLACK SHALE	RIVERTON
216         220         SHALE         564         567         LIME         OSWEGO         726         728         SHALE         1016         1044         LIMEY C           220         223         BLACK SHALE DAMP         567         568         SHALE         728         729         COAL         MINERAL         1039         GAS TES           223         227         SANDY SHALE         568         595         LIME         LIGHT OIL ODOR 729         753         SHALE         1044         1054         BROWN           227         247         LIMEY SHALE         595         597         SHALE         SUMMIT         738         GAS TEST 3 1/2# 3/4"         1054         1068         GRAY LI           247         258         LIME         597         605         BLACK SHALE         753         758         SANDY SHALE         4068         GRAY LI	
220         223         BLACK SHALE DAMP         567         568         SHALE         728         729         COAL         MINERAL         1039         GAS TES           223         227         SANDY SHALE         568         595         LIME         LIGHT OIL ODOR 729         753         SHALE         1044         1054         BROWN           227         247         LIMEY SHALE         595         597         SHALE         SUMMIT         738         GAS TEST 3 1/2# 3/4"         1054         1068         GRAY LI           247         258         LIME         597         605         BLACK SHALE         753         758         SANDY SHALE         SANDY SHALE         SANDY SHALE	T 3.5 # 3/4"
220         223         BLACK SHALE DAMP         567         568         SHALE         728         729         COAL         MINERAL         1039         GAS TES           223         227         SANDY SHALE         568         595         LIME         LIGHT OIL ODOR 729         753         SHALE         1044         1054         BROWN           227         247         LIMEY SHALE         595         597         SHALE         SUMMIT         738         GAS TEST 3 1/2# 3/4"         1054         1068         GRAY LI           247         258         LIME         597         605         BLACK SHALE         753         758         SANDY SHALE         9	HAT MISS.
223         227         SANDY SHALE         568         595         LIME         LIGHT OIL ODOR 729         753         SHALE         1044         1054         BROWN           227         247         LIMEY SHALE         595         597         SHALE         SUMMIT         738         GAS TEST 3 1/2# 3/4"         1054         1068         GRAY LI           247         258         LIME         597         605         BLACK SHALE         753         758         SANDY SHALE         SANDY SHALE	
247 258 LIME 597 605 BLACK SHALE 753 758 SANDY SHALE	IME
	ИE
300   302   BLACK SHALE   610   612   BLACK LIMEY SHALE   770   799   SHALE	
302   307   LIME   613   GASTEST 6# 1/2"   799   800   LIME	
307 313 SANDY SHALE 612 621 LIME 800 806 BLACK SHALE	
313   320   SAND   621   627   BLACK SHALE MULKEY   806   807   COAL   TEBO	
320   336   SANDY SHALE   627   628   COAL   807   823   SHALE	
336   350   LIME   628   629   SHALE   813   GAS TEST SAME	
350 352 SHALE 629 634 LIME 823 824 LIME	
352 353 BLACK SHALE 634 663 SHALE 824 833 SAND	
353   360   LIME     638     GAS TEST 16# 1/2"     833   836     BLACK SHALE	
360 372 LIMEY SHALE 663 665 BLACK SHALE 836 837 COAL	•
372   402   SHALE   665   666   COAL   BEVIER   837   937   SHALE	
402   440   SAND DAMP   666   682   SHALE   913   GAS TEST SAME	