



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1198608
OIL & GAS CONSERVATION DIVISION

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 # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1198608

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input 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

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				

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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	K & N Petroleum, Inc.
Well Name	Snell Trust 1
Doc ID	1198608

Tops

Name	Top	Datum
Heebner	2939	
Toronto	2959	
Douglas	2970	
Brown Lime	3060	
Lansing	3087	
Base Kansas City	3354	
Conglomerate	3372	
Conglomerate Sand	3384	
Arbuckle	3403	
RTD	3415	Corrected to 3424

MORNING DRILLING REPORT
For: K&N Petroleum, Inc.

SOUTHWIND DRILLING, INC.
RIG No. 2

Well Name: Snell Trust #1
Location: 1415' FNL & 1011' FWL
Section: 9-20S-10W
County: Rice
API: 15-159-22755-00-00

Elevation GL: 1807'
KB: 1816'
Est. TD: 3500'
Conductor: N/A

Rig No. 2 (Pusher Bill Sanders) 620 617-0706

Rig No. 2 (Doghouse) 620 617-5921

Southwind Drilling Office 620 564-3800

Surfacing Casing: Ran 9 joints of new 23#, 8 5/8" casing, Tally @ 374', Set @ 384', used 275 sacks of 60/40, 3% cc, 2% gel, cement circulated, by Copeland (Ticket # _____) plug down @ 8:30 am on 10.29.13.

Plugging Info: Plugged well with 215 sacks of 60/40 Poz, 4% gel, 1st plug @ 3404' w/ 35 sacks, 2nd plug @ 1300' w/ 35 sacks, 3rd plug @ 900' w/ 35 sacks, 4th plug @ 435' w/ 35 sacks, 5th plug @ 60' w/ 25 sacks, 30 sacks for Rat hole, 20 sacks for Mouse hole, cemented by Copeland (Ticket # C41894), job complete @ 7:15 pm on 11.03.13.



Rotary Total Depth: 3415'
Log Total Depth: N/A

Geologist: Jim Musgrove

7:00 A.M. Depth: 3415'

7:00 A.M. Current Operation: TEAR DOWN

Spud Date & Time:	10/28/13	10/29/13	10/30/13	10/31/13	11/01/13	11/02/13	11/03/13	Total
10/29/2013 @ 12:30 AM	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	
Total Depth (7:00am)	0	385	1360	2325	2961	3391	3415	
Daily Progress	385	975	965	636	430	24	0	3415
Ft. Per Hr.	90.59	118.18	53.61	37.41	21.50	19.20	0.00	49.67
Current Operation (7:00am)	Rig Up	Run Casing	Drilling	Drilling	Drilling	DST #2		
Formation	Surface	Surface	Lime / Shale	Lime / Shale	Lime / Shale	KC	Arbuckle	
Fuel Used (34.5 Gallinch)	138.00	103.50	345.00	345.00	414.00	172.50	34.50	1552.50
Survey (degree & depth)	1° @ 385'					1° @ 3391'		

Mud Cost	\$0.00	\$0.00	\$0.00	\$5,623.80	\$437.40	\$0.00		\$6,061.20
Weight (# / Gall)				8.8	9.6			
Vis (Funnel)				48	46			
Water Loss (cc)								

Bit #1	Reed							
Bit Make / Type	12 1/4							
Bit Hours	4.25							4.25

Bit #2								
Bit Make / Type	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q	JZ HA20Q		
Bit Size	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8	7 7/8		
Bit Hours	8.25	18.00	17.00	20.00	1.25		0.00	64.50
Bit Cumulative Hours	4.25	8.25	18.00	17.00	20.00	1.25		68.75
Weight on Bit (WOB)	10,000	15,000	25,000	30,000	32,000	35,000		
RPM	120	80	80	80	80	80		
Pump Pressure	500	750	800	900	900	900		
Drilling (Rotating) Hours	4.25	8.25	18.00	17.00	20.00	1.25	0.00	68.75

	Daywork Hrs. (Operator's time)							
Rat Hole (> 75 Hrs)								0.00
Wait on Cement		8.00						8.00
Trip							2.75	12.00
Circulate				1.75		4.75		6.50
Tool						2.00		2.00
Testing						4.25		4.25
Wait on Tester						1.25		1.25
Clean Floor								0.00
Logging								0.00
LDDP & LDDC / Plug well						7.50		7.50
Wait on Orders						0.75		0.75
Run Casing / Cement		1.50				0.50		2.00
Nipple Down / Jet Cellar							1.00	1.00
Set Slips								0.00
Billable Hours	0.00	9.50	0.00	0.00	1.75	21.50	12.50	45.25

	Non-Billable Hours (Southwind's time)							
Rig Up / Rig Down	17.00							3.25
Wait on Cement (if NC)								0.00
Trip Time for Hole in Pipe								0.00
Drill Rat Hole (< 75 hrs)	0.50							0.50
Drill Plug		0.50						0.50
Circulate (NB)	0.50			0.50				0.50
Rig Repair		1.50	2.00	1.75	0.25	0.75		6.25
Connections	1.25	2.00	2.25	1.50	1.25			8.25
Jet/Displace	0.25	0.50	1.00	2.00				3.75
Surveys	0.25					0.25		0.50
Rig Check		0.25	0.75	0.50	0.75	0.25		2.50
Wait on Water		1.50						1.50
Trip Time for Repairs				0.75				0.75
Lost Circulation (< 2 hrs)								0.00
Lay Down Kelly / RH							0.25	0.25
Non-Billable Hrs.	19.75	6.25	6.00	7.00	2.25	1.25	3.50	46.00

Footage Cost	\$ 5,390.00	\$ 13,650.00	\$ 13,510.00	\$ 8,904.00	\$ 6,020.00	\$ 210.00	\$ -	\$ 47,684.00
Daywork Cost	\$ -	\$ 3,325.00	\$ -	\$ -	\$ 612.50	\$ 7,525.00	\$ 4,375.00	\$ 15,837.50
Combined Est. Cost*	\$ 5,390.00	\$ 16,975.00	\$ 13,510.00	\$ 8,904.00	\$ 6,632.50	\$ 7,735.00	\$ 4,375.00	\$ 63,521.50

Please note that this is estimated footage & daywork cost only. Additional charges will apply on invoice (fuel surcharge, water transfer pump, etc)

DST #1 Info -	DST #2 Info -
Footage Interval: 3333' - 3391'	Footage Interval: 3384' - 3415'
Recovery: 5' Mud	Recovery: 265' Muddy Water

Arhdyrite @ 505' - 532'

Displaced @ 2547'

Arbuckle @ 3404'



Office
 (620) 592-4250 243 Main St., P.O. Box 215 - Chiles, KS 67225 Home
 Petroleum Geologist (620) 587-3444

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY K&N Petroleum Inc.

LEASE Snell Trust #1

FIELD Chase-Silica

LOCATION Ne-Ne-Sw-Nw (1415' EWL)
(1011' EWL)

SEC 9 TWP 20S R0E 10W

COUNTY Rice STATE Kansas

CONTRACTOR Southwind Drilling (rig #2)

SPUD 10/28/2013 COMP 11/4/2013

RTD 3415 LTD -NO log -

LOG UP 2600' TYPE LOG Chemical displaced

SAMPLES SAVED FROM 2800

DRILLING TIME KEPT FROM 2800

SAMPLES EXAMINED FROM 2800

GEOLOGICAL SUPERVISION FROM 2950

GEOLOGIST ON WELL Jim Musgrove

ELEVATIONS

KB 1816

GL 1807

Meas. reports Ave A / From -KB-

CASINGS
 SURFACE 8 5/8" @ 384'
 PROBE ON -None-
 ELECTRICAL SURVEYS
-None-

RTD

FORMATION TOPS	LOGS	SAMPLES
Heehner	No log	2939
Toronto		2959
Douglas		2970
Brown lime		3060
Wanating		3087
Base Kansas City		3354
Conglomerate		3372
Conglomerate Sand		3384
Arbuckle		3403
RTD	No log	3415 (Corrected)
		3424

PIPE STRAP
 Indicates 9 ft.
 Down hole
 Corrtm all
 Sample Top
 Contacted downhole
 9 ft.

REMARKS

The Snell Trust #1 was plugged & Abandoned at the RTD 3415.

Respectfully Submitted
 James E. Musgrove
 Petroleum Geologist

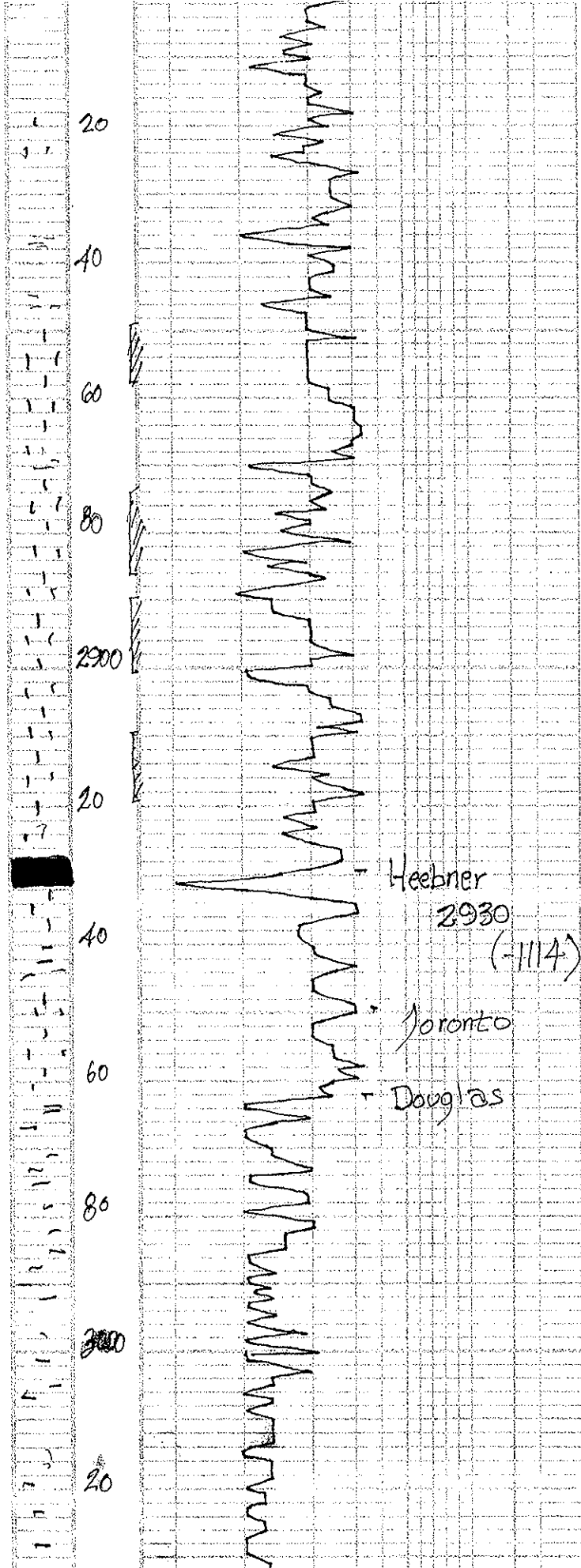
LEGEND

Anhydrite	Salt	Sandstone	Shale	Coal sh	Limestone	Coal lime	Coal	Dolomite

DRILLING TIME
 Logarithmic Scale)

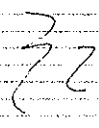
SAMPLE DESCRIPTIONS

REMARKS



blk carb. sh.

ls, wh/gry, foss, cherty in part; poor d.



ls, crm, wh, fxt, gran, few sub com, cherty, ??? dk brown str, NSG, no oden.

are gr. gry d.

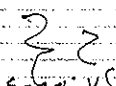
Poor samples



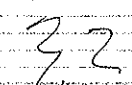
blk carb sh

Poor samples

ls, wh/crm, fxt, cherty poor v. s. g.

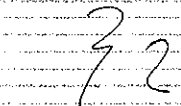


fr. sand, v. s. g, mica, shaley/sily, poorly dev.



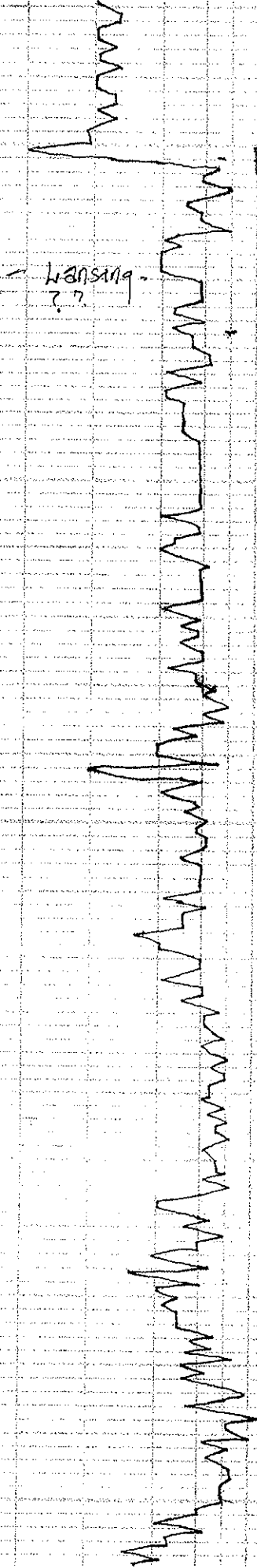
gry/dk gry - green silty soft sh

1816 KB-



ditto aa.

40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
440
460
480
500
520
540
560
580
600
620
640
660
680
700
720
740
760
780
800
820
840
860
880
900
920
940
960
980
1000



Brown lime
3051
(-1235)

Wansing
3078 (-1262)

~ gray/dk gray soft silty sh.

3

ls, tan/brown, fr. to few
dry (dense) n/s

~ gray/dk gray + Jr.
blk carb. sh.

ls, tan, fr. to few ool,
dense n/s

3

ls, tan, gray, fossil, dense
poor n/s

3

ls, gray/tan, ool, cherty
+ wh; cherty n/s

3

ls, wh/gray, fr. to suc, cherty
in part, poor ool, light
brown str; n/s for ?? nodos.

3

ls, gray; ool; cherty - dry
(dense)

~ ls, gray, wh, fr. to;
dense

~ ls, tan/dense

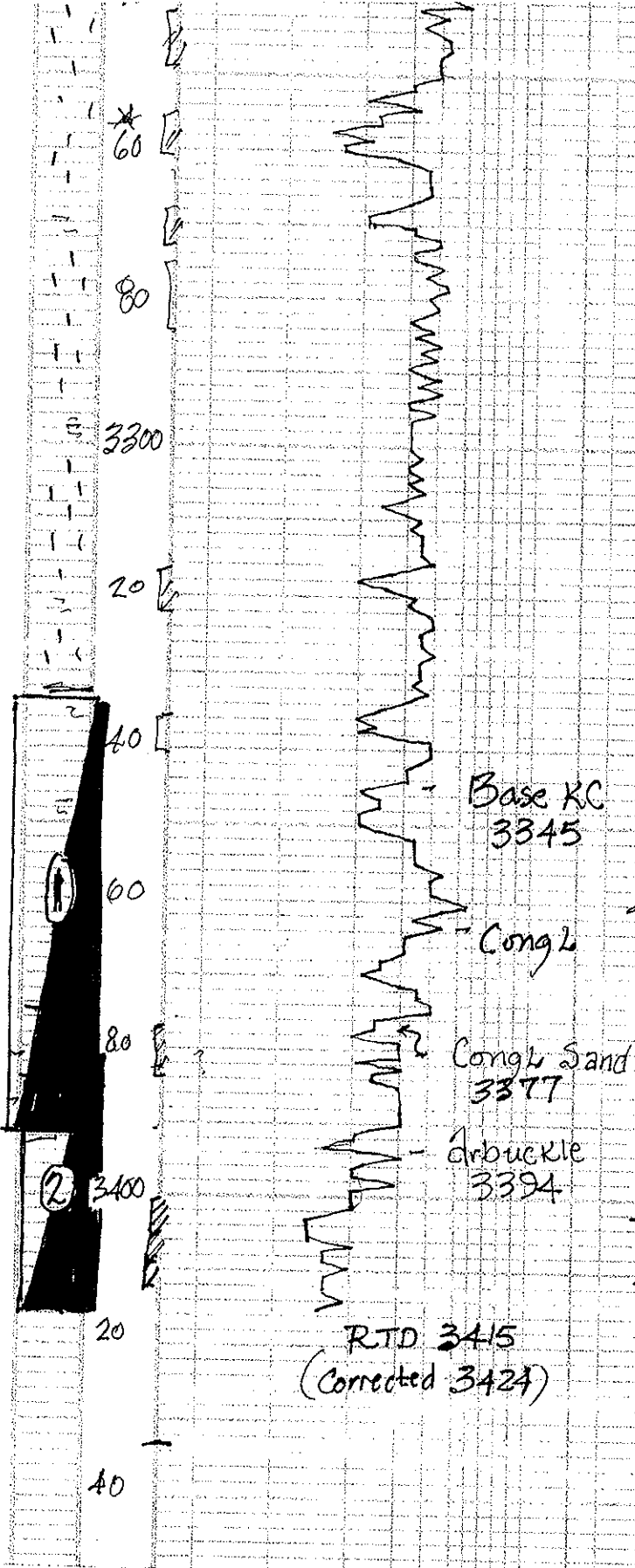
Jr. blk carb sh.

ls, wh/gray, finely ool,
few sub-com cherty n/s

3

ls, gray, tan, fr. to;
dense

~ ls, tan, fr. to, dense



ls, gray, tan, f-x ls
dense

ls, tan, gray, f-med
x-l) foss. s.n part dense
+ Jr. wh. foss. ls
V.C. sh brown str, Jr. fo
??? odor

ls, tan, gray, f-x
foss, chunky ten part
Jr. gray A

Poor Samples

ls, gray, tan, Jr. fcs
(samples still Poor)

V.C. silty sh

sand, yellow, qtz, sub rounded
calc. Poorly dev. m/s

St. tan, vfg. qtz, sub rounded
fossiliferous part, brown str/sats
sfo, odor samples broken
blde green sh.

obl/crm) wh f-med x-l)
chuky luster, sctto
blke str, nsfo, ft. odor.
aa, Jr. str, sfo, ??? odor

Corrected
3342-3400

Dst #1 3333-3391
20-20-30-30
Blow; surface
2nd opening; no blow
Rec; 5' mud
pressures, Isip 42 Pa
Ss; 48 "
JIP 25-26 "
JIP 29-29 "
HSH
1756
-1743 Pa

* Strap *
9" down hole
(9.31' long)
all tops
will be corrected
down hole 9'

Dst #2 3384-3415
(Corrected 3393-3424) 30-30-45-45

Blow string
Rec) 270' muddy water
pressures / Isip 1178 Pa
Ss; 1178 "
JIP 25-65 "
JIP 69-135 "
HSH 1732-1697