

STAND RM

350' block

780-177-9088-7808

WELL INFORMATION SHEET

Well number HIF-20

Logging date _____

County Highlands

Location T 385 R 29E Sec. 17

W N S W S W
1/4 1/4 1/4

Lat. 271004 Long. 812641

Direction to well site Meet Kayo wells across from Big Cow on 70, ~ 7 mi. W. of 27. Map to well attached.

Special considerations Must call Kayo @ 7:00 PM, 7/13/81
8:30 AM 7/14/81 -

Surveys (circle each requested)

- Caliper
- Flowmeter
- 16-inch normal resistivity
- 64-inch normal resistivity
- Neutron porosity

- Natural gamma
- Fluid resistivity
- Gamma-gamma density
- Casing collar locator
- Fluid sampler

- Temperature gradient
- Delta temperature
- Spontaneous potential
- Point resistance
- 6-foot lateral resistivity

Intervals to be logged; from ___ ft to ___ ft; from ___ ft to ___ ft; from ___ ft to ___ ft

Bed resolution ___ ft

Hole diameter, interval; dia ___ in from ___ ft to ___ ft; dia ___ in from ___ ft to ___ ft

Casing record, type ; dia ___ in from ___ ft to ___ ft; dia ___ in from ___ ft to ___ ft

Well owner Kayo Wells

Name of driller _____

phone number _____

Drilling method _____

Datum elevation _____

Borehole fluid _____

No. of dist. copies 2

Depth scale 10 in/100 ft

352 stuck in casing

HIF-18 & 19

Owner: Westby Corp
Foreman: LEONARD GODWIN, 465-4363 CALL FIRST

ROUGHLY 6 MILES WEST OF INTERSECTION OF S.R. 70 AND 27
LOOK FOR WESTBY CORP. SIGN. TURN NORTH (right) AT SIGN TO
ENTER RANCH.

HIF-18 FOLLOW RANCH ROAD STRAIGHT BACK ^{past shop} (North) ABOUT 2
MILES TO THIS WELL. WELL IS ON RIGHT OF ROAD, ADJACENT TO
LARGE RED FUEL TANK.

HIF-19 PROCEED BACK FROM HIF-18 TOWARDS ROUTE 70 AND
RANCH ENTRANCE. AT SHOP AND BARN. (with cowpens) Take fork in
ranch road to west (right) Follow for roughly 1 mile. Look for
another large red fuel tank.

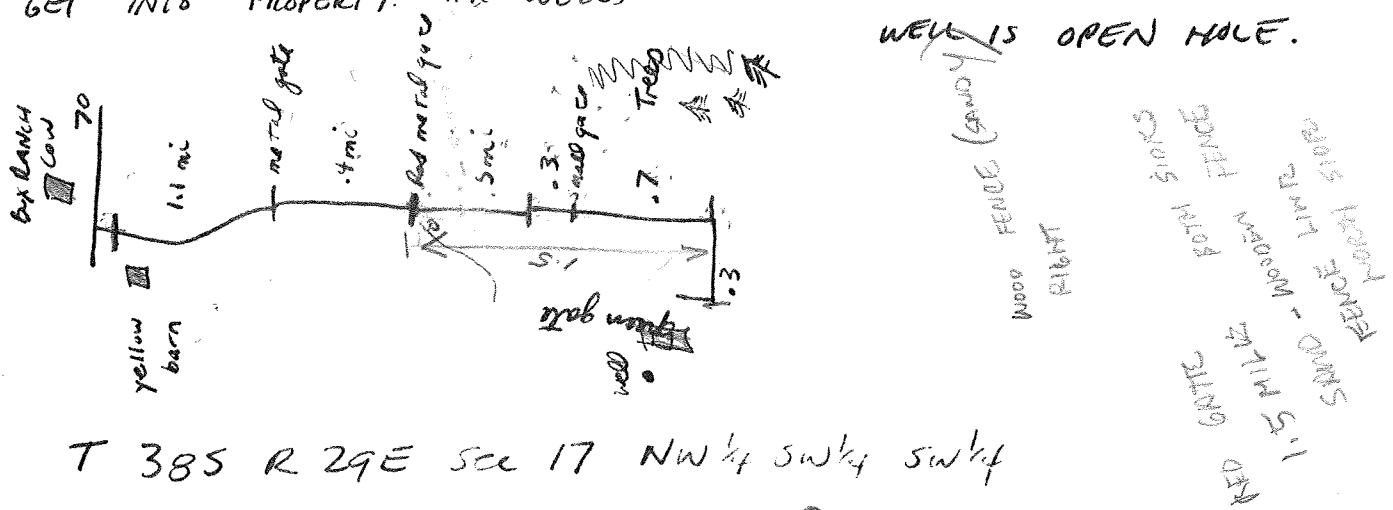
HIF-18 T 375 R 29 E SEC 16 SE 1/4 SW 1/4 NE 1/4
HIF-19 T 375 R 29 E SEC 32 NW 1/4 SW 1/4 SW 1/4

HIF-2

OWNER: KAYO WELLS 313 494-4771 N. CALL FIRST
494-2221 W.

PROCEED ROUGHLY 7 MILES WEST ON SR 70 FROM
INTERSECTION OF 70 & 27. YOU WILL SEE A BIG PLASTIC BULL AT ENTRANCE
TO BOX RANCH. JUST PAST BULL, TAKE A LEFT AT METAL GATE TO
GET INTO PROPERTY. MR WELLS WILL WANT TO MEET YOU.

WELL IS OPEN HOLE.



T 385 R 29 E SEC 17 NW 1/4 SW 1/4 SW 1/4

0.25 mi
0.25 mi

WELL STATION IDENTIFICATION

FORM RP-37 - Rev. 10/78

PAGE 1 OF 2

(COMPLETE THIS FORM ONLY FOR THE INITIAL SURVEY OF EACH WELL)

WELL LOCATION CARD ONE

1	10	16	20	37	54	57	59	63	66	68	71
STATION I. D.	SURVEY DATE	A CARD C	WELL NO.	COUNTY	LAT DEG	LAT MIN	LAT SEC	LONG DEG	LONG MIN	LONG SEC	
		W11	HIF-20								

WELL LOCATION CARD TWO

1	17	20	37	39	42	45	61
STATION I. D.	SURVEY DATE	A CARD C	QUARTERSECTIONS	SEC	TOWN-SHIP RANGE	WATER MANAGEMENT DISTRICT PLANNING AREA	
		W12	1/4; 1/4; 1/4				

WELL DATUM CARD

1	17	20	26	32	38	44	59
STATION I. D.	SURVEY DATE	A CARD C	KELLY BUSH-ING (FEET)	LAND SUR-FACE (FT)	TOP OF CASING (FT)	OTHER (FT) (SEE NOTES)	DATUM (CHECK ONE)
		W21					MSL-; LS-; TOC-

WELL OWNERSHIP CARD

1	17	20	37	54	57	64	80
STATION I. D.	SURVEY DATE	A CARD C	NAME OF OWNER	GROVE/PROPERTY NAME	AREA CODE	TELEPHONE	WELL USE
		W31					

WELL ORIGIN CARD

1	17	20	37	54	71	76
STATION I. D.	SURVEY DATE	A CARD C	DRILLER/ DRILLING COMPANY	OFFICE OF DRILLER (CITY)	DRILLING METHOD	DATE COMPLETED
		W41				

NOTES: COLUMNS 1-16 ARE DUPLICATED IN EACH CARD.
 COLUMN 16 IS AN ACTION CODE WITH THE FOLLOWING PERMISSABLE STATES - 1 (CREATE NEW RECORD),
 2 (CHANGE ALL VALUES), OR 9 (DELETE OLD RECORD).

WELL STATION IDENTIFICATION

FORM RP-38 - Rev. 10/78

PAGE 2 OF 2

(COMPLETE THIS FORM ONLY FOR THE INITIAL SURVEY OF EACH WELL)

WELL DESCRIPTION - CONSTRUCTION CARD ONE

1	10	16	20	27	34	41	48	54	59	68
STATION I. D.	SURVEY DATE	CARD C	TOTAL DEPTH -DRILLER (FT)	TOTAL DEPTH -LOGGER (FT)	CASING DEPTH -DRILLER (FT)	CASING DEPTH -LOGGER (FT)	CASING I.D. (INCHES)	BIT SIZE (INCHES)	DRILLER LOG AVAIL.	
		W51							YES- ; NO-	

WELL DESCRIPTION - CONSTRUCTION CARD TWO

1	17	20	37	54	59	64	69	73
STATION I. D.	SURVEY DATE	CARD C	TYPE OF SCREEN	TYPE OF PACKING	DIA. OF SCREEN	SLOT SIZE (INCHES)	SCREEN BEGINS	SCREEN ENDS (FT)
		W52						

WELL DESCRIPTION - CONFIGURATION CARD, SECTION ONE (TOP)

1	17	20	22	39	44	49	54	59	75
STATION I. D.	SURVEY DATE	CARD C	SEC	TYPE OF CASING	NOM. DIA. (INCHES)	BEGIN DEPTH	END DEPTH (FEET)	THICKNESS (INCHES)	TYPE OF ANNULUS FILL
		W610							

WELL DESCRIPTION - CONFIGURATION CARD, SECTION TWO

1	17	20	22	39	44	49	54	59	75
STATION I. D.	SURVEY DATE	CARD C	SEC	TYPE OF CASING	NOM. DIA. (INCHES)	BEGIN DEPTH	END DEPTH (FEET)	THICKNESS (INCHES)	TYPE OF ANNULUS FILL
		W6202							

WELL DESCRIPTION - CONFIGURATION CARD, SECTION THREE

1	17	20	22	39	44	49	54	59	75
STATION I. D.	SURVEY DATE	CARD C	SEC	TYPE OF CASING	NOM. DIA. (INCHES)	BEGIN DEPTH	END DEPTH (FEET)	THICKNESS (INCHES)	TYPE OF ANNULUS FILL
		W6303							

NOTES: COLUMNS 1-16 ARE DUPLICATED IN EACH CARD.
 COLUMN 16 IS AN ACTION CODE WITH THE FOLLOWING PERMISSABLE STATES - 1 (CREATE NEW RECORD),
 2 (CHANGE ALL VALUES), OR 9 (DELETE OLD RECORD).
 CARD TYPES <W64>, <W65>, <W69> MAY ALSO BE USED TO PROVIDE DATA FOR A TOTAL OF NINE SECTIONS.

WELL SURVEY REPORT

FORM RP-39 -- Rev. 10/78

(USE ONE FORM/DAY/WELL)

SURVEY CARD

1	10	16	20	37	54	56	58	60	62	64	66	68	70	72										
STATION	SURVEY	CARD	LOGGED BY	WITNESSED BY	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
I. D.	DATE	C																						
		W71																						

*INSERT AN <X> IN EACH COLUMN FOR WHICH A SURVEY WAS CONDUCTED. SURVEY CODES ARE LISTED BELOW:

A = CALIPER	F = NATURAL GAMMA	K = TEMPERATURE GRADIENT
B = FLOWMETER	G = FLUID RESISTIVITY	L = DELTA TEMPERATURE
C = 16-INCH NORMAL RESISTIVITY	H = GAMMA GAMMA DENSITY	M = SPONTANEOUS POTENTIAL
D = 64-INCH NORMAL RESISTIVITY	I = CASING COLLAR LOCATOR	N = POINT RESISTANCE
E = NEUTRON POROSITY	J = FLUID SAMPLER	O = 6-FOOT LATERAL RESISTIVITY

FLUID QUALITY CARD ONE

1	17	20	37	54	60	63
STATION	SURVEY	CARD	SAMPLE SOURCE	TYPE	DATE	TIME
I. D.	DATE	C	(WELLHEAD, ETC.)	FLUID	SAMPLED	SAMPLED
		W81				

FLUID QUALITY CARD TWO

1	17	20	25	32	35	41	47	53	60	64	70	75
STATION	SURVEY	CARD	TEMP. OF	FIELD SP.	FIELD	CHLORIDE	DISSOLVED	SPEC. COND.	STATIC WATER	W/L REF	FLOW RATE	PUMP RATE
I. D.	DATE	C	SAMPLE	F GRAVITY	PH	(MG/L)	SOLIDS	(U-MHO/CM)	LEVEL (FEET)	FROM	(GAL/MIN)	(GAL/MIN)
		W82										

COMMENT CARDS

1	17	20	40	60	76
STATION	SURVEY	CARD	COMMENTS	COMMENTS	COMMENTS
I. D.	DATE	C	- LINE 1	- LINE 2	- LINE 3
		W91	STUCK IN CASING	AT 352 FT.	

1	17	20	40	60	76
STATION	SURVEY	CARD	COMMENTS	COMMENTS	COMMENTS
I. D.	DATE	C	- LINE 4	- LINE 5	- LINE 6
		W92			

NOTES: COLUMNS 1-16 ARE DUPLICATED IN EACH CARD.
 COLUMN 16 IS AN ACTION CODE WITH THE FOLLOWING PERMISSABLE STATES - 1 (CREATE NEW RECORD),
 2 (CHANGE ALL VALUES), OR 9 (DELETE OLD RECORD).
 CARD TYPES <W93>, <W94>, <W99> MAY ALSO BE USED TO PROVIDE UP TO A TOTAL OF TWENTY-SEVEN COMMENT LINES.

C.C.L.



C.C.L.

- 0 -

-50'

-100'

20'/MIN. ↑

-150'

-200'

-250'

-300'

-350'



GAMMA
500 cps
T.C.-3

GAMMA
500 cps
T.C.-2

HIF-20